

SEQUENCE LISTING

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<120> INSULIN AND IGF-1 RECEPTOR AGONISTS AND ANTAGONISTS

<130> 1878-4051

<140> 09/538,038

<141> 2000-03-29

<160> 2653

<170> PatentIn Ver. 2.1

<210> 1
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<400> 1
Ile Arg Asp Met His Tyr Val Trp Val Gln Asp Arg Asp Arg Tyr Ile
1 5 10 15

Asn Gly Val Arg Gln Trp Tyr Ile Ser Asp Arg Tyr Asn Pro Gly Ser
20 25 30

Ala Phe Tyr Arg Trp Phe Ile Asp
35 40

<210> 2
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<220>
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<400> 2
Arg Met Gly Leu Gln Ala Leu Ala His Tyr Arg Lys Ser Ala Gly Pro
1 5 10 15

Ile Phe Leu Ser Ser Gly Ser Val Ile Lys Gly Ser Glu Gly Asp Pro
20 25 30

Phe Tyr Ala Trp Phe Arg Leu Gln
35 40

<210> 3
<211> 40
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<213> Artificial Sequence

<220>
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<400> 3
Met Pro Val Ser Leu Phe Arg Arg Val Trp Asp Tyr Arg Asp Gly Glu
1 5 10 15

His Glu Thr Leu Glu Ser His Tyr Val Val Pro Gln Ala Ala Leu Asp
20 25 30

Arg Leu Phe Tyr Ser Trp Phe Ser
 35 40

<210> 4
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<220>
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<400> 4
 Pro Leu Tyr Gly Gly Gly Ile His Leu Tyr Tyr Pro Gly Thr Met Gly
 1 5 10 15

Tyr Val Pro Gly Phe Pro Arg Gln Val Lys Val Leu Gly Asp Ala Asp
 20 25 30

Lys Asn Phe Tyr Asp Trp Phe Met
 35 40

<210> 5
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 <213> Artificial Sequence

<220>
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<400> 5
 Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
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<210> 6
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<220>
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<400> 6
 Ser Gly Cys Cys Arg Leu Leu Gly Leu Arg Trp Met Phe Ile Val Ile
 1 5 10 15

Val Gly Trp Ser Gly Ala Leu Val Cys Gln Ser Ala Ala Ser Ala Ala
20 25 30

Gly Phe Tyr Asp Trp Phe Val
35

<210> 7
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<400> 7
Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Leu Ala
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<210> 8
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 8
Val Phe Trp Asn Cys Arg Ser Gln Gln Leu Asp Phe Tyr Glu Trp Phe
1 5 10 15

Glu Gln Ala Ala
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<210> 9
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 9
Arg Val Ala Gly Ala Ile Ser Ala Pro Gly Leu Val Ser Asn Lys Gln
1 5 10 15

Asp Gly Leu Phe Tyr Ser Trp Phe Arg Glu
20 25

<210> 10

<211> 20

<212> PRT

<213> Artificial Sequence

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<400> 10

Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe Tyr
1 5 10 15

Glu Trp Phe Ala

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<210> 11

<211> 20

<212> PRT

<213> Artificial Sequence

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<400> 11

Gly Ala Phe Tyr Arg Trp Phe His Glu Ala Leu Val Gly Ser Glu Arg
1 5 10 15

Val Pro Asp Val

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<210> 12

<211> 20

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic peptide

<400> 12

His Glu Ala Phe Tyr Asp Trp Phe Ser Ala Leu Val Asp Gly Gly Tyr
1 5 10 15

Glu Leu Met Gly

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<210> 13

<211> 20

<212> PRT

<213> Artificial Sequence

<220>
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<400> 13
Arg Ile Gly Gly Gly Trp Ala Arg Ser Glu Gly Phe Tyr Glu Trp Phe
1 5 10 15

Val Arg Glu Leu
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<210> 14
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<220>
<223> Xaa represents a variable or unknown amino acid

<400> 14
Leu Pro Ala Gly Gly Ala Xaa Gly Phe Ala Xaa Arg Gly Phe Tyr Glu
1 5 10 15

Trp Phe Glu Ser
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<210> 15
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 15
Gly His Ser Trp Ala Leu Val Arg His Val Asp Arg Leu Phe Tyr Glu
1 5 10 15

Trp Phe Asp Leu
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<210> 16
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 16
Leu Gly Thr Ser Ala Gly Gln Gly Val Gly His Arg Ala Phe Tyr Gln
1 5 10 15

Trp Phe Gln Ser
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<210> 17
<211> 20
<212> PRT
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<220>
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peptide

<400> 17
Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
1 5 10 15

His Gly Ala Gly
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<210> 18
<211> 20
<212> PRT
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<220>
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peptide

<400> 18
Asn Ser Ser Gly Gln Gln Val Val Gly Leu Thr Phe Tyr Ser Trp Phe
1 5 10 15

Ala Ser Gln Val
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<210> 19
<211> 20
<212> PRT
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peptide

<400> 19
Phe Tyr Gly Trp Phe Ser Arg Gln Leu Ser Leu Thr Pro Arg Asp Asp
1 5 10 15

Trp Gly Leu Pro
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<210> 20
<211> 20
<212> PRT
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<220>
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peptide

<400> 20
Arg Met Phe Tyr Glu Trp Phe Trp Ser Gln Met Gly Ala Gly Pro Thr
1 5 10 15

Glu Gly Ser Ala
20

<210> 21
<211> 21
<212> PRT
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<220>
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<400> 21
Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Leu Ala
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<210> 22
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 22
Arg Asp Lys Pro Thr Asp Gln Glu Glu Gln Asn Trp Ser Phe Tyr Glu
1 5 10 15

Trp Phe Arg His
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<210> 23
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
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<400> 23
Trp Ser Ala Leu Leu Ser Val Met Asp Thr Gly Phe Tyr Ala Trp Phe
1 5 10 15

Asp Asp Ala Val
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<210> 24
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 24
Ser Arg Asp Gln Thr Asn Phe Thr Phe Asn Ser Ala Gly Phe Tyr Gly
1 5 10 15

Trp Phe Glu Arg
20

<210> 25
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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<400> 25
Gly Val Gly Thr Leu Thr Met Ser Ser Asp Ala Phe Tyr Thr Trp Phe
1 5 10 15

Val

<210> 26
<211> 16
<212> PRT
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<220>
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<400> 26
Ile Gly Gly Ser Phe Val Glu Phe Tyr Gly Trp Phe Asn Asp Gln Val
1 5 10 15

<210> 27
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 27
Asp Ile Gly Ser Asp Gly His Gly Arg Arg Trp Asp Ser Phe Tyr Arg
1 5 10 15

Trp Phe Glu Met
20

<210> 28
<211> 20
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<220>
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peptide

<400> 28
Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe Tyr
1 5 10 15

Glu Trp Phe Ala
20

<210> 29
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 29
Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe Arg
1 5 10 15

Ala Ala Val Gly
20

<210> 30

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

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<400> 30

Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe Arg
1 5 10 15

Ala Ala Val Gly

20

<210> 31

<211> 20

<212> PRT

<213> Artificial Sequence

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<400> 31

Asp Ile Gly Ser Asp Gly His Gly Arg Arg Trp Asp Ser Phe Tyr Arg
1 5 10 15

Trp Phe Glu Met

20

<210> 32

<211> 20

<212> PRT

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<400> 32

Pro Phe Tyr Gln Trp Phe Leu Asp Gln Ser Val Gly Gly Ser Arg Gly
1 5 10 15

Gly Gly Leu Arg

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<210> 33

<211> 20

<212> PRT

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<400> 33

Ala	Val	Ala	Pro	Leu	Ser	Val	Arg	Gly	Arg	Asp	Ser	Gly	Phe	Tyr	Ser
1				5					10						15
Trp	Phe	Ser	Ser												
				20											

<210> 34

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<223> Xaa represents a variable or unknown amino acid

<400> 34

Xaa	Asn	Phe	Tyr	Asp	Trp	Phe									
1				5					10						15

Val Xaa Xaa Xaa Xaa

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<210> 35

<211> 21

<212> PRT

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<220>

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<400> 35

Gly	Arg	Val	Asp	Trp	Leu	Gln	Arg	Asn	Ala	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10						15

Val Ala Glu Leu Gly

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<210> 36

<211> 21

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic peptide

<400> 36
Arg Met Tyr Phe Ser Thr Gly Ala Pro Gln Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Glu Trp Asp
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<210> 37
<211> 21
<212> PRT
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<220>
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peptide

<400> 37
His His Thr Gln Gly Leu Gln Val Gln Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asn Glu Leu Arg
20

<210> 38
<211> 21
<212> PRT
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<220>
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peptide

<400> 38
Met His Arg Met Gln His Asp Gly Thr Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Leu Gln Trp Ala
20

<210> 39
<211> 21
<212> PRT
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<220>
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peptide

<400> 39
Ala Met His Val Val Ala Gln Gly Gly Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Leu Arg
20

<210> 40
<211> 21
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<220>
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<400> 40
Ala Ile Gln Met Asn Gly Asn Leu Ala Phe Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Leu Thr
20

<210> 41
<211> 21
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<400> 41
Thr Asp Arg Lys Ser Val Gln Glu Pro Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Trp Ala Ala Arg
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<210> 42
<211> 21
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<220>
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<400> 42
Pro His Gly His Arg Gly Phe Ala Gln Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Thr Gln Glu Glu
20

<210> 43
<211> 21
<212> PRT
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Arg Leu Ala Ser Ala Ser Val Pro Gly Gln Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Asp Gln Leu Leu
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<210> 44

<211> 21

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<400> 44

Arg Gln Ser Glu Phe Ser Thr Leu Asn Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Arg Glu Leu Glu
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<210> 45

<211> 21

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<400> 45

Gly Gln Ala Gln Leu Ser Ile Arg Asp Val Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Gln Gln Leu Val
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<210> 46

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<400> 46

Met Ser Glu Pro Ala Val Gly Val Asn Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Leu Phe
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<210> 47
<211> 21
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peptide

<400> 47
Val Gly Thr Gly Arg Ala Arg Leu Asp Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gly Gln Tyr Ser
20

<210> 48
<211> 21
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peptide

<400> 48
Ser Arg Glu Ala Val Gln Lys Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Leu Ser
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<210> 49
<211> 21
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peptide

<400> 49
Leu Ala Gln Phe Ala Gly Ser Arg Asn Gln Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Leu Gly
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<210> 50

<211> 21

<212> PRT

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<400> 50

Gly Gln Glu Tyr Phe Asp Gln Met Gly Leu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Leu Asp

20

<210> 51

<211> 21

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<400> 51

Arg Gln Pro Ser Gln Pro Pro His Gly Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Ile Asn

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<210> 52

<211> 21

<212> PRT

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<400> 52

Leu Met Gln Ser Leu Gly Ser Gly Ser Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Met Val

20

<210> 53

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 53

Asp Gln Gln Arg Ser Ala Cys Asp Gly Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Cys Gln Leu Ser
20

<210> 54

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 54

Leu Asp Gly Thr Lys Ala Cys Gln Arg Val Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Cys Gln Thr Glu
20

<210> 55

<211> 21

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<400> 55

Pro Glu Ala Arg Arg Thr Val Val His Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Ala Gln Leu Ser
20

<210> 56

<211> 21

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<213> Artificial Sequence

<220>

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<400> 56

Pro Trp Met Leu Ser Val Gly Ile Gln Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gly Leu Asp Ser
20

<210> 57

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

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peptide

<400> 57

Ala Ser His Gln Arg Gly Gly Ser Ser Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Met Arg
20

<210> 58

<211> 21

<212> PRT

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peptide

<400> 58

Thr Leu Glu Arg Glu Gly Glu Phe Ser Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Leu His
20

<210> 59

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

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<400> 59

Asp Arg Gln Ser Ile Gly Ser Val His Gly Asp Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Ala Leu Gly
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<210> 60

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 60

Asp Trp Asp Lys Leu Gly Ser Leu Ser Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Ala

20

<210> 61

<211> 21

<212> PRT

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<220>

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<400> 61

Val Arg Val Val Leu Asn Gln Ser Gly Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ile Gln Leu Glu

20

<210> 62

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 62

Met Ala Ser Trp Gln Ser Arg Thr Pro Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Leu Ser

20

<210> 63

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 63

Thr Thr Cys His Pro Arg Gly Glu Asp Cys Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Leu Gln Leu Arg
20

<210> 64

<211> 21

<212> PRT

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<400> 64

Val Arg Gly Asn Asp Ser Val Leu Arg Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Asp Gln Leu Ser
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<210> 65

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 65

Thr Pro Arg Ser Gln Val Arg Ser Asp His Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Tyr Gln Leu Ala
20

<210> 66

<211> 21

<212> PRT

<213> Artificial Sequence

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<400> 66

Glu Ser Leu Thr Gly Ser Arg Pro Asp Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Thr Ser
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<210> 67
<211> 21
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peptide

<400> 67
Pro Gln Ser Leu Thr Glu Val Arg Thr Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Val Gln Leu His
20

<210> 68
<211> 21
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<220>
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peptide

<400> 68
Asp Val Gly Met Gly Arg Val Lys Glu Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Leu Ile
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<210> 69
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peptide

<400> 69
Gly Ala Asp Asp Ile Arg Ser Leu Asn Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asn Gln Leu Ser
20

<210> 70

<211> 21

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic peptide

<400> 70

Gly Val Ser Ile Gln Ala Gly Tyr Lys Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Val Arg

20

<210> 71

<211> 21

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<400> 71

Val Gly Glu His Arg Gln Met Ser Val Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Met Gln Ile Ala

20

<210> 72

<211> 21

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic peptide

<400> 72

Gly Ser Ser Leu Gly Arg Ser Gly Pro Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Glu

20

<210> 73

<211> 21

<212> PRT

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peptide

<400> 73
His Arg Gln Gln Asp Val Val Arg Gln Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Ala Leu Glu
20

<210> 74
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 74
Gln Asp Thr Phe Leu Thr Ala Arg Glu Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Ile Arg Ala Leu Glu
20

<210> 75
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 75
Glu Ala Ile Met Arg Glu Glu Gly Gln Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Leu Glu
20

<210> 76
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 76
Val Cys Asp Val Ser Thr Gly Gly Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Cys Gln Val Gly
20

<210> 77
<211> 21
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<220>
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peptide

<400> 77
Pro Gln Pro Arg Ser Ala Ser Thr Pro Leu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Ala Thr Gly
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<210> 78
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 78
Gly Val Ser Arg Gly Ser Gly Gly Asp Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Met Gln Leu Arg
20

<210> 79
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 79
Gly Pro Gly Arg His Asp Ser Ser Arg Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Leu Ala
20

<210> 80
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 80
Glu Arg Phe Ala Leu Glu Val Gln Gly Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ile
20

<210> 81
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<220>
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<400> 81
Asn Leu Lys Ser Ser Ala Thr Val Gly Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Leu
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<210> 82
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<220>
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<400> 82
Met Glu Gly Pro Pro Ala Gly Gly Pro Leu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Asp
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<210> 83
<211> 21
<212> PRT
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<223> Description of Artificial Sequence: synthetic peptide

<400> 83

Arg Leu Asp Val Ala Gly His Arg Gly Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Lys Gln Leu His
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<210> 84

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<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 84

Pro Trp Ser Asp His Glu Ala Leu Asn Gln Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Ser Gln Val Leu
20

<210> 85

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 85

Glu Asp Arg Leu Gly Asn Gly Glu Ser Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Arg Gln Leu Ala
20

<210> 86

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 86

Gly Lys Leu Val Ala Ser Thr Leu Asp Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Leu Ser
20

<210> 87
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 87
Ser Gly Pro Val Val Gln Thr Gln Asn Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val His Gln Leu Arg
20

<210> 88
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 88
Val Asp Arg Ala Gly Pro Ala Gly Ser Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Leu Asp
20

<210> 89
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 89
Ser Leu Gly Arg Asn Asp Arg Pro Asp Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Gln Val Gln
20

<210> 90
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 90
Arg Val Met Ala Thr Ala Asn Ala Pro Met Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Val Gln Leu Gln
20

<210> 91
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 91
Asn Gly Val Glu Arg Ala Gly Thr Gly Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Leu His
20

<210> 92
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 92
Pro Phe Ala Gly Lys Gly Asp Lys Thr Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Leu Thr Gly
20

<210> 93
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 93

Gly Met Pro Gln Glu Tyr Met Asp Gln Val Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Ala Gln Val Asp
20

<210> 94

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 94

Met Gly Thr Pro Ala Val Gly Asp Gly Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Arg Gln Leu Gly
20

<210> 95

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 95

Ser Lys Cys Lys Ala Trp Tyr Gly Ala Asn Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Trp Gln Val Asp
20

<210> 96

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 96
Glu Ala Ala Ser Leu Gly Ser Gln Asp Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Val
20

<210> 97
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 97
Val Glu Arg Ser Ala Ser Ser Gln Asp Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Val Gln Ile Arg
20

<210> 98
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 98
Thr Ser Glu Val Gln Arg Arg Ser Gln Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Ala
20

<210> 99
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 99
Glu Arg Ser Ala Ala Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Asn
20

<210> 100

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 100

Arg Ala Glu Arg Gly Ser Met Arg Asp Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Leu Pro

20

<210> 101

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 101

Leu Ala Met Ser Val Ala Ser Arg Pro Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Ile Val

20

<210> 102

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 102

His Asn Ser Ser Ser Pro Met Arg Thr Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Glu Leu Arg

20

<210> 103

<211> 20

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 103
Ser Ala Leu Ser Gly Pro Val Gln Pro Ile Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Thr Gly Met
20

<210> 104
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 104
Gly Ala Gln Ala Ile Arg Glu Ile His His Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Thr
20

<210> 105
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 105
Arg Gly Gln Arg Glu Ser Asp Ser Gly Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gly Ala Ile Arg
20

<210> 106
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 106

Val Gln Glu Gly Leu Ser Gly Met Glu Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Phe
20

<210> 107
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 107
Arg Leu Asp Arg Ser Ser Thr Ser Gly Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Gly
20

<210> 108
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 108
Gly Ser Gln His Ser Gly Arg Glu Pro His Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Gly
20

<210> 109
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 109
Gly Arg Gly Asp Gln Arg His Glu Thr Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Leu Gln
20

<210> 110

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 110

Pro	Arg	Met	Val	Glu	Lys	Pro	Ser	Glu	Asp	Asn	Phe	Tyr	Asp	Trp	Phe
1				5										15	

Val	Thr	Gln	Leu	Ser
			20	

<210> 111

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 111

Arg	Val	Gly	Ile	Gln	Val	Asp	Pro	His	Thr	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Ile	Gln	Leu	Thr
			20	

<210> 112

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 112

Arg	Ser	Ser	Gly	Gly	Leu	Leu	Ser	Gln	Gly	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Ser	Gln	Leu	Glu
			20	

<210> 113

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 113

Ser Asp Ala Arg Gln Ala Gly Leu Gln Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Ser Gln Val Arg
20

<210> 114

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 114

Pro Pro Tyr Arg Ser Ser Arg Leu Gly Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Met Gln Val Arg
20

<210> 115

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 115

Gln Glu Val Thr Arg Thr Arg Asp Asp Lys Asn Phe Tyr Asp Trp Phe
1 5 10 15Val Ser Gln Ile Phe
20

<210> 116

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 116
 Ser Arg Ala Pro Tyr Gly Ser Thr Ala Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Ala Val Ser
 20

<210> 117
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 117
 Xaa Asp Gly Gln Ser Val Ser Ser Lys Gly Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Gln Gln Met Thr
 20

<210> 118
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 118
 Arg Leu Met Gly Gly Ile Ala Glu Pro Gln Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Glu Val Ala
 20

<210> 119
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 119
 Ser Ala Gly His His Met Pro Arg Glu Ser Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Asp Gln Val Val
20

<210> 120
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 120
Leu Gly Ala Ala Glu Thr Trp Asp Gly Ile Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Lys Gln Val Ser
20

<210> 121
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 121
Val Gly His Ser Gly Val Pro Pro Tyr Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Met Gln Val Ser
20

<210> 122
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 122
Val Thr Met Leu Asp Lys Gly Ala Gln Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Val Ala
20

<210> 123

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 123
His His Ser Pro Gly Asn Glu His Gly Tyr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Leu Gln Val Ala
20

<210> 124
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 124
Gly Ser Ile Ala Gln Leu Ile Met Arg Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Thr Asn
20

<210> 125
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 125
Leu Lys Gly Ser Ser Gln Pro Leu Ser Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Ile Lys
20

<210> 126
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 126

Pro Ala Ser Asn Lys Asn Ser Leu Ala Glu Asn Phe Tyr Asp Trp Phe	
1	5
	10
	15

Val Gln Gln Thr Arg

20

<210> 127

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 127

His Val Glu His Met Ala Val Gly Asp Gly Asn Phe Tyr Asp Trp Phe	
1	5
	10
	15

Val Val Gln Leu Arg

20

<210> 128

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 128

Arg Gly Met Thr Gly Met Val Gly Arg Gly Asn Phe Tyr Asp Trp Phe	
1	5
	10
	15

Val Gly Gln Leu Arg

20

<210> 129

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 129

Gly Leu Arg Ser Glu Gln Gly Asn Arg Leu Asn Phe Tyr Asp Trp Phe	
1	5
	10
	15

Val Ala Gln Ile Ala
20

<210> 130
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 130
Arg Val Arg Glu Lys Leu Pro Arg Pro Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asn Gln Ile His
20

<210> 131
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 131
Ser Asn Pro Ser Arg Gln Asp Ala Ser Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Glu Val Ala
20

<210> 132
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 132
Gln Ser Val Asp Leu Ser Arg Pro Asp Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Val Leu Ser
20

<210> 133
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 133

Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Leu Ala

20

<210> 134

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 134

Val Glu Val Gln Arg His Ile Arg Lys Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Lys Gln Ile Asp

20

<210> 135

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 135

Cys Trp Ala Arg Pro Cys Gly Asp Ala Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Ala Ser

20

<210> 136

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 136
Arg His Glu Arg Gly Lys Glu Gly Pro Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Gln Val Val
20

<210> 137
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 137
Glu Arg Ser Pro Arg Pro Ala Leu Ala Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Val Val
20

<210> 138
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 138
Ile Ala Arg Met Arg Glu Thr Phe Gln Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Ala
20

<210> 139
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 139
Gly Arg Gly Gln Gly Leu Lys Arg Pro Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Ala Ala Lys
20

<210> 140
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 140
Tyr Ser Ile Glu Val Gln Asp Trp Asn Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Gln Leu Gly
20

<210> 141
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 141
Thr Trp Met Trp Glu Glu Arg Lys Gln Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gly Gln Leu Lys
20

<210> 142
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 142
Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ser
20

<210> 143
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 143

Leu Ala Ile Asn Asp Leu Val Thr His Lys Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Arg

20

<210> 144

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 144

Gly Ala Val Gly Leu Ala Glu Ala Gly Pro Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Gln Val Gln

20

<210> 145

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 145

Arg Tyr Arg Gly Glu Arg His Asp Gly Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Gln Val Asn

20

<210> 146

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 146

Gln Gly Ala Glu Gly Arg Leu Ser Glu Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Ala Val Ser
20

<210> 147

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 147

Pro Arg Leu His Met Gly Ser Asp Met Gly Asp Phe Tyr Asp Trp Phe
1 5 10 15

Val Val Gln Ile Ala
20

<210> 148

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 148

Ile Val Ala Gly Ala Arg His Ser Glu Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ile Gln Val Arg
20

<210> 149

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 149

Ala Glu Leu Val Gly Ala Gly Val Arg Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asp Gln Leu Val
20

<210> 150
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 150
Asp Ser Ser Arg Leu Trp Leu Gly Glu Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Ile Ser
20

<210> 151
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 151
Val Gly Gln Val Gly Arg Tyr Val Arg Ser Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Ala Met
20

<210> 152
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 152
Arg Pro Gln Leu Val Glu Ser Gly Ser Lys Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Val Val Arg
20

<210> 153
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 153
Arg Ile His Asn Gln Thr Glu Arg Gly Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15
Val His Gln Leu Val
20

<210> 154
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 154
Glu Met Tyr Gly Asp Thr Ser Glu Arg Val Asn Phe Tyr Asp Trp Phe
1 5 10 15
Val Ser Ala Leu Gln
20

<210> 155
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 155
Arg Val Gly Ser Gly Met Glu Asp Leu Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15
Val Arg Gln Ala Gln
20

<210> 156
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 156
Lys Asp Pro Val Thr Val Ser Gln Gly Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Val Gln Ile Gln
20

<210> 157
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 157
Asp Ala Arg Asp His Gly Val Trp Val Met Ser Asn Phe Tyr Asp Trp
1 5 10 15

Phe Val Ala Gln Val Ser
20

<210> 158
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 158
Val Ala Thr Val His Val Gly Gly Met Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Gly
20

<210> 159
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 159
Cys Ala Asp Pro Gly Ala Cys Ser Ser Leu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Met Arg Gly
20

<210> 160
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 160
Asn Pro Thr Ser Val Gln Gln Tyr Gly Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Asn Val Leu Ser
20

<210> 161
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 161
Arg Pro Ser Leu Pro Glu Val Arg Pro Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Ser Val Arg
20

<210> 162
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 162
Ser Leu Gln Gly Ala Asp Phe Gln Gln Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Glu Leu Ala
20

<210> 163
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 163
Leu Ser Ser Arg Gly Arg Val Thr Met Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Val
20

<210> 164
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 164
His Lys Ser Trp Thr Thr Met Ser Pro Leu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Val Glu
20

<210> 165
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 165
Arg Pro Val Ile Gly Gly Gly Gly Thr Arg Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Met Ile
20

<210> 166
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 166

Tyr	Asp	Gln	Asp	Pro	Pro	Tyr	Trp	Gly	Leu	Asn	Phe	Tyr	Asp	Trp	Phe
1				5					10					15	

Val	Arg	Glu	Val	Ala
		20		

<210> 167

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 167

Tyr	Arg	Gly	Met	Leu	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly	Lys
1				5				10					15		

Val	Ala	Ser	Glu	Pro	Pro	Ala	Arg	Ile	Gly	Gln	Lys	Val	Phe	Ala	Val
			20					25					30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val
	35					

<210> 168

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 168

Gln	Arg	Gly	Met	Leu	Val	Arg	Gly	Arg	Ile	Ser	His	Gly	Ala	Gly	Lys
1				5				10					15		

Ile	Ala	Tyr	Glu	Pro	Pro	Asp	Cys	Leu	Gly	Gln	Lys	Ala	Cys	Ala	Val
			20				25					30			

Asn	Phe	Tyr	Asp	Trp	Phe	Val
	35					

<210> 169

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 169
 Gln Arg Gly Met Leu Leu Leu Gly Arg Ile Ser Asp Asp Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Ser Ala Arg Arg Gly Gln Lys Val Phe Ala Phe
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 170
 <211> 38
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 170
 Tyr Arg Gly Ile Leu Val Leu Gly Arg Ile Ser Glu Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Ala Ala Arg Ile Gly Gln Lys Val Phe Ala Asp
 20 25 30
 Phe Tyr Asp Trp Phe Val
 35

<210> 171
 <211> 39
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 171
 Gln Arg Gly Met Leu Ala Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Ser Glu Pro Pro Ala Gly Ile Gly Gln Lys Val Phe Ala Phe
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 172
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 172

Phe Arg Gly Arg Leu Val Leu Gly His Phe Ser Asp Gly Ala Gly Lys
1 5 10 15Val Gly Ser Glu Pro Ala Ala Arg Ile Gly Gln Lys Val Phe Asp Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val

35

<210> 173

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 173

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Glu Val Phe Ala Asp
20 25 30

Asn Phe Tyr Asp Trp Phe Val

35

<210> 174

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 174

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Glu
1 5 10 15Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Glu Val Phe Ala Leu
20 25 30

Asn Phe Tyr Asp Trp Phe Val

35

<210> 175

<211> 39

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 175
Val Pro Trp Tyr Ala Gly Ser Gly Ser Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Asp Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 176
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 176
Tyr Arg Gly Gln Leu Val Leu Gly Arg Ile Ser Tyr Gly Ala Gly Lys
1 5 10 15

Val Gly Cys Asp Pro Pro Ala Arg Ile Gly Gln Lys Asp Trp Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 177
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 177
Gln Arg Gly Leu Leu Val Leu Gly Arg Phe Ser Asp Gly Ala Gly Asn
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Gly Ile Gly Gln Glu Val Phe Pro Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 178

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 178

Gln Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ala Glu Pro Pro Asp Cys Leu Gly Gln Lys Val Cys Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val

35

<210> 179

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 179

Gln Arg Gly Met Arg Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Leu Pro Pro Arg Ile Gly Gln Lys Asp Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val

35

<210> 180

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 180

Gln Arg Gly Met Leu Val Leu Gly Ser Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Tyr Glu Ala Pro Ala Arg Ile Gly Gln Thr Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 181
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 181
Gln Pro Trp Cys Ala Gly Ser Gly Arg Ile Tyr Asp Gly Ala Cys Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala His Ile Gly Gln Glu Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 182
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 182
Gln Arg Gly Met Leu Val Leu Asp Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Gly Pro Pro Ala Arg Ile Gly Gln Asn Val Leu Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 183
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 183
Tyr Arg Gly Met Leu Val Val Gly Arg Ile Ser Asp Gly Thr Gly Lys
1 5 10 15

Val Ala Ser Gln Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 184
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
 peptide

<400> 184
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Val Pro Pro Ala His Ile Gly Gln Lys Val Phe Ala Phe
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 185
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
 peptide

<400> 185
Gln His Gly Met Leu Val Leu Gly Arg Val Ser Val Gly Ala Gly Lys
 1 5 10 15

Val Pro Ser Glu Pro Gln Ala Arg Ile Gly His Lys Val Phe Asp Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 186
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
 peptide

<400> 186

Tyr Ser Gly Tyr Ala Gly Ser Gly Ser Phe Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Ser Gln Glu Val Leu Ala Asp
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 187

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 187

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Ser Ala Val
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 188

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 188

Tyr His Gly Lys Leu Asp Leu Gly Arg Ile Ser Val Gly Val Gly Lys
 1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Asp
 20 25 30

Asn Phe Tyr Asp Trp Phe Val
 35

<210> 189

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 189
Tyr Arg Gly Gln Ala Gly Ser Gly Val Gly Ser Leu Thr Val Ala Gly
1 5 10 15

Lys Val Ala Ser Asp Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala
20 25 30

Asp Asn Phe Tyr Asp Trp Phe Val
35 40

<210> 190
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 190
His Arg Gly Met Leu Val Leu Gly Arg Ile Ser Glu Gly Ala Gly Asn
1 5 10 15

Val Asp Pro Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 191
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 191
Gln Arg Gly Met Pro Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Gly Ser Glu Pro Pro Ala Arg Ile Ala Arg Lys Val Phe Pro Val
20 25 30

Asn Phe Tyr Asp Trp Phe Ile
35

<210> 192
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 192

Gln Gly Gly Leu Leu Val Thr Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15Val Ala Ser Glu Pro Pro Gly Gly Ile Gly Gln Lys Val Phe Ala Gly
20 25 30Asn Phe Tyr Asp Trp Phe Val
35

<210> 193

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 193

Tyr Pro Trp Tyr Gly Gly Ser Gly Thr Tyr Leu Asp Gly Ala Gly Lys
1 5 10 15Val Ala Ser Glu Pro Pro Ala Arg Ile Asp Gln Gln Val Phe Ala Gly
20 25 30Asn Phe Tyr Asp Trp Phe Val
35

<210> 194

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 194

Tyr Arg Ala Met Leu Val Leu Arg Arg Ile Ser Asp Val Ala Gly Ile
1 5 10 15Val Asp Ser Glu Pro Pro Thr Arg Ile Gly Gln Lys Val Phe Ala Gly
20 25 30Asn Phe Tyr Asp Trp Phe Val
35

<210> 195

<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 195
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Gln Gly Ala Gly Asn
1 5 10 15

Val Ala Ser Glu Pro Ser Ser Arg Ile Gly Gln Lys Val Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Ile
35

<210> 196
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 196
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Asp Tyr Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 197
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 197
Tyr Arg Gly Met Leu Gly Leu Gly Gly Ile Ser Ala Gly Ala Gly Ile
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Val Gly Gln Lys Val Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 198

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 198

Tyr	Arg	Gly	Ile	Leu	Phe	Gln	Gly	Arg	Ile	Pro	Asp	Gly	Ala	Gly	Lys
1				5					10					15	

Val	Ala	Ser	Glu	Pro	Pro	Thr	Arg	Ile	Gly	Glu	Arg	Val	Phe	Ala	Val
						20			25					30	

Asn	Phe	Tyr	Asp	Trp	Phe	Val									
						35									

<210> 199

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 199

Gln	Gly	Gly	Met	Pro	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly	Lys
1					5				10					15	

Val	Ala	Phe	Glu	Pro	Pro	Ala	Arg	Ile	Gly	Gln	Lys	Val	Phe	Ala	Gly
					20				25					30	

Asn	Phe	Tyr	Asp	Trp	Phe	Val									
						35									

<210> 200

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 200

Tyr	Arg	Gly	Met	Leu	Val	Leu	Gly	Arg	Ile	Gln	Asp	Gly	Ala	Gly	Lys
1					5				10					15	

Val	Ala	Ser	Glu	Pro	Pro	Ala	Arg	Ile	Gly	Gln	Lys	Val	Phe	Thr	Gly
					20				25					30	

Asn Phe Tyr Asp Trp Phe Val
35

<210> 201
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 201
Gln Arg Gly Met Leu Val Leu Gly Gly Val Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Asp Pro Pro Ala Ser Ile Gly Gln Asn Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 202
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 202
Tyr Pro Gly Met Leu Ile Leu Asp Arg Ile Ser Asp Gly Ala Ser Lys
1 5 10 15

Val Val Ser Glu Pro Pro Ala Ser Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 203
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 203
Tyr Arg Gly Met Leu Val Leu Asp Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Gln Pro Ala Arg Ile Gly Gln Glu Val Tyr Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 204
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 204
Tyr Arg Gly Met Leu Asp Leu Gly Arg Ile Ser Gly Gly Val Gly Lys
1 5 10 15

Val Ala Ser Glu Ser Pro Ala Arg Ile Gly Gln Lys Val Tyr Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 205
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 205
Gln Arg Gly Met Met Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Glu
1 5 10 15

Val Ala Ser Glu Lys Val Phe Ala Val Asn Phe Tyr Asp Trp Phe Val
20 25 30

<210> 206
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 206
 Gln Arg Gly Met Leu Val Leu Gly Arg Val Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Asp Ser Ala Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Gly
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 207
 <211> 39
 <212> PRT
 <213> Artificial Sequence
 .
 <220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 207
 Gln Arg Gly Met Leu Val Leu Gly Arg Met Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Val Ala Phe Glu Pro Pro Ala Arg Ile Gly Gln Arg Gly Phe Ala Gly
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 208
 <211> 39
 <212> PRT
 <213> Artificial Sequence
 .
 <220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 208
 Gln Arg Gly Thr Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
 1 5 10 15
 Ala Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Val
 20 25 30
 Asn Phe Tyr Asp Trp Phe Val
 35

<210> 209
 <211> 39
 <212> PRT
 <213> Artificial Sequence
 .
 <220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 209

Gln Arg Gly Met Leu Val Leu Asp Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ala Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Leu
20 25 30

Asn Phe Tyr Asp Trp Phe Ile
35

<210> 210

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 210

Gln Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Glu
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Glu Lys Val Tyr Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 211

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 211

Gln Arg Gly Ile Leu Val Arg Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Gly Ser Glu Pro Pro Ala Arg Ser Gly Glu Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Ile
35

<210> 212

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 212

Gln Leu Gly Met Val Val Leu Gly Arg Ile Ser Asp Gly Ser Gly Lys
1 5 10 15

Ala Ala Ser Glu Pro Ala Ala Arg Ile Ser Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 213

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 213

Gln Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Asp Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Arg Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 214

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 214

Tyr Arg Gly Met Leu Val Leu Gly Arg Ser Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Phe Glu Arg Pro Ala Arg Ile Gly Gln Thr Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 215
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 215
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Xaa
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Arg Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 216
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 216
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Gly Gly Ala Gly Lys
1 5 10 15

Ala Ala Ser Glu Arg Pro Ala Arg Ile Gly Gln Lys Val Ser Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 217
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 217
Tyr Arg Gly Met Met Val Gln Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Val Ser Pro Val Arg Ile Gly Gln Lys Val Ile Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 218
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 218
Tyr Arg Gly Arg Leu Gly Leu Gly Arg Ile Ser Asp Val Ala Gly Lys
1 5 10 15

Val Ala Cys Asp Pro Ser Ala Arg Ile Gly Gln Lys Val Leu Pro Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 219
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 219
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Arg
1 5 10 15

Val Ala Ser Glu Pro Gln Ala Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 220
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 220

Gln Gly Gly Met Leu Val Pro Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Gln Pro Pro Ala Arg Ile Gly Pro Lys Gly Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 221

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 221

Tyr Arg Gly Met Arg Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Thr His Ile Gly Gln Lys Val Phe Pro Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 222

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 222

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Gly Ser Glu Pro Ala Ala Arg Ile Gly Gln Lys Val Phe Ala Leu
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 223

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 223

Tyr	Arg	Gly	Gln	Gly	Met	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly
1					5				10					15	

Lys	Val	Ala	Ser	Glu	Pro	Pro	Gly	Arg	Ile	Gly	Gln	Lys	Val	Phe	Pro
					20				25				30		

Val	Asn	Phe	Tyr	Asp	Trp	Phe	Val								
							35						40		

<210> 224

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 224

Tyr	Arg	Gly	Met	Leu	Gly	Leu	Gly	Arg	Ile	Thr	Gly	Gly	Ala	Gly	Lys
1					5				10				15		

Val	Ala	Ser	Glu	Pro	Pro	Asp	Arg	Ile	Gly	Gln	His	Val	Phe	Val	Asp
						20			25				30		

Asn	Phe	Tyr	Asp	Trp	Phe	Val									
						35									

<210> 225

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 225

Asp	Gly	Met	Leu	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly	Asn	Val
1					5				10			15			

Ala	Ser	Glu	Ala	Pro	Ala	Arg	Ile	Gly	Gln	Lys	Val	Phe	Ala	Val	Asn
						20			25			30			

Phe	Tyr	Asp	Trp	Phe	Val										
					35										

<210> 226

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 226

Tyr Arg Gly Met Arg Val Arg Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15Ala Ala Ser Asp Pro Arg Ala Arg Ile Gly Gln Thr Val Leu Asp Val
20 25 30Asn Phe Tyr Asp Trp Phe Val
35

<210> 227

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 227

Tyr Arg Gly Met Trp Val Leu Gly Arg Ile Ser Tyr Gly Ala Gly Lys
1 5 10 15Val Ala Tyr Glu Pro Pro Ala Arg Met Gly Gln Lys Gly Phe Ala Val
20 25 30Asn Phe Tyr Asp Trp Phe Val
35

<210> 228

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 228

Tyr Arg Gly Met Leu Val Gly Gly Arg Ile Ala Gly Gly Ala Gly Ile
1 5 10 15Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30Asn Phe Tyr Asp Trp Phe Val
35

<210> 229

<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 229
Tyr Arg Gly Leu Leu Gly Leu Gly Gly Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Asn Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 230
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 230
Tyr Arg Gly Met Leu Gly Leu Gly Arg Ile Ser Ala Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Gly Ala Pro Ala Arg Ile Gly Gln Glu Asp Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 231
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 231
Tyr Arg Gly Met Leu Ala Leu Gly Arg Ile Ser Glu Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 232
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 232
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Leu Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 233
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 233
Tyr Pro Gly Met Leu Val Pro Gly Arg Ile Ser Asp Gly Ala Gly Glu
1 5 10 15

Gly Ala Thr Asp Pro Pro Pro Arg Ile Gly Gln Lys Val Phe Ala Phe
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 234
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 234
Tyr Arg Gly Met Leu Val Pro Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Tyr Glu Pro Pro Ala Arg Ile Gly Gln Lys Ile Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 235
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 235
Tyr Arg Gly Val Leu Val Leu Gly Arg Val Ser Asp Gly Val Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala His Arg Gly Gln Arg Val Phe Gly Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 236
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 236
Tyr Arg Arg Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Ala Asn
1 5 10 15

Val Ala Ser Gly Pro Pro Asp Arg Ile Gly Gln Lys Val Phe Ala Gly
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 237
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 237
Tyr Arg Arg Met Leu Ala Leu Gly Arg Phe Ser Asp Val Thr Gly Asp
1 5 10 15

Val Ala Ser Glu Pro Pro Ala His Ile Gly Gln Lys Val Val Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 238
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 238
Tyr Arg Gly Met Val Val Arg Gly Arg Ile Phe Asp Gly Pro Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Arg Ala Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 239
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 239
Tyr Arg Gly Met Leu Ile Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Val Gly Gln Asp Val Val Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 240
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 240
Tyr Pro Gly Arg Leu Val Gly Gly Arg Ile Ser Asp Gly Val Gly Lys
1 5 10 15
Val Ala Ser Glu Pro Pro Gly Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30
Asn Phe Tyr Asp Trp Phe Val
35

<210> 241
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 241
Gln Arg Gly Leu Leu Val Leu Gly Arg Ile Phe Asp Gly Ala Gly Lys
1 5 10 15
Val Ala Ser Asp Pro Pro Ala Arg Ile Gly Gln Lys Asp Phe Ala Asp
20 25 30
Asn Phe Tyr Asp Trp Phe Val
35

<210> 242
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 242
Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15
Val Ala Phe Glu Pro Pro Ala Arg Ile Gly Gln Asn Val Phe Ala Val
20 25 30
Asn Phe Tyr Asp Trp Phe Val
35

<210> 243
<211> 39
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 243

Tyr	Arg	Cys	Met	Pro	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly	Xaa
1					5					10					15

Val	Ala	Ser	Asp	Arg	Pro	Ala	Arg	Ile	Gly	Gln	Lys	Val	Phe	Ala	Val
									25					30	

Asn	Phe	Tyr	Asp	Trp	Phe	Val
					35	

<210> 244

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 244

Tyr	Arg	Gly	Arg	Leu	Val	Leu	Gly	Arg	Ile	Ser	Asp	Gly	Ala	Gly	Lys
1						5				10					15

Val	Ala	Ala	Glu	Pro	Pro	Ala	Ser	Met	Asp	Ser	Lys	Val	Phe	Ala	Gly
						20			25					30	

Asn	Phe	Tyr	Asp	Trp	Phe	Val
					35	

<210> 245

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 245

Gly	Phe	Arg	Glu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Ala	Gln	Val	Thr
1										10					15

<210> 246

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 246

Gly Phe Arg Glu Gly Gln Arg Trp Tyr Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 247

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 247

Gly Phe Arg Glu Gly Tyr Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 248

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 248

Gly Phe Arg Glu Gly Asp Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 249

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 249

Gly Phe Arg Glu Gly Gln Phe Tyr Glu Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 250

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 250
Gly Phe Arg Glu Gly Thr Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 251
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 251
Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 252
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 252
Gly Phe Arg Glu Gly Ala Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 253
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 253
Gly Phe Arg Glu Gly Ala Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 254
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 254

Gly Phe Arg Glu Gly Lys Phe Tyr Gln Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 255

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 255

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 256

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 256

Gly Phe Arg Glu Gly Thr Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 257

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 257

Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 258

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 258

Gly Phe Arg Glu Gly Gln Phe Tyr Glu Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 259

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 259

Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 260

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 260

Gly Phe Arg Glu Gly Glu Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 261

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 261

Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Arg Ala Gln Val Thr
1 5 10 15

<210> 262

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 262

Gly Phe Arg Glu Gly Tyr Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 263

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 263

Gly Phe Arg Glu Gly Asp Phe Tyr Gln Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 264

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 264

Gly Phe Arg Glu Gly Ser Phe Tyr Gly Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 265

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 265

Gly Phe Arg Glu Gly Ser Phe Tyr Ala Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 266

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 266

Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 267

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 267

Gly Phe Arg Glu Gly Ile Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 268

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 268

Gly Phe Arg Glu Gly Ser Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 269

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 269

Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 270

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 270

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 271

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 271

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 272

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 272

Gly Phe Arg Glu Gly Asp Phe Tyr Gln Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 273

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 273

Gly Phe Arg Glu Gly Gly Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 274

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 274

Gly Phe Arg Glu Gly Asp Phe Tyr Gly Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 275

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 275

Gly Phe Arg Glu Gly Val Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 276

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 276

Gly Phe Arg Glu Gly Gly Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 277

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 277

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 278

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 278

Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 279

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 279

Gly Phe Arg Glu Gly Lys Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 280

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 280

Gly Phe Arg Glu Gly Glu Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 281

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 281

Gly Phe Arg Glu Gly Arg Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 282

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 282

Gly Phe Arg Glu Gly Thr Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 283

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 283

Gly Phe Arg Glu Gly Glu Phe Tyr Glu Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 284

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 284

Gly Phe Arg Glu Gly Asp Phe Tyr Glu Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 285

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 285

Gly Phe Arg Glu Gly His Phe Tyr Asp Trp Phe Xaa Ala Gln Val Thr
1 5 10 15

<210> 286

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 286

Gly Phe Arg Glu Gly Glu Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 287

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 287

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 288

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 288

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Gly Ala Gln Val Thr
1 5 10 15

<210> 289

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 289

Gly Phe Arg Glu Gly Thr Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 290

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 290

Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Thr Ala Gln Val Thr
1 5 10 15

<210> 291
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 291
Gly Phe Arg Glu Gly Ser Phe Tyr Asn Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 292
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 292
Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 293
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 293
Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 294
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 294
Gly Phe Arg Glu Gly Ala Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 295

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 295

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 296

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 296

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 297

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 297

Gly Phe Arg Glu Gly Ser Phe Tyr Glu Trp Phe Asp Ala Gln Val Thr
1 5 10 15

<210> 298

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 298

Gly Phe Arg Glu Gly Ala Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 299

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 299

Gly	Phe	Arg	Glu	Gly	Gln	Phe	Tyr	Asp	Trp	Phe	Ala	Ala	Gln	Val	Thr
1				5					10				15		

<210> 300

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 300

Gly	Phe	Arg	Glu	Gly	Asn	Phe	Tyr	Asp	Trp	Phe	Ala	Ala	Gln	Val	Thr
1				5					10				15		

<210> 301

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 301

Gly	Phe	Arg	Glu	Gly	Asp	Phe	Tyr	Asp	Trp	Phe	Ala	Ala	Gln	Val	Thr
1				5					10				15		

<210> 302

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 302

Gly	Phe	Arg	Glu	Gly	Ser	Phe	Tyr	Glu	Trp	Phe	Glu	Ala	Gln	Val	Thr
1				5					10				15		

<210> 303

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 303

Gly Phe Arg Glu Gly Gly Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 304

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 304

Gly Phe Arg Glu Gly Gly Phe Tyr Ala Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 305

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 305

Gly Phe Arg Glu Gly Gly Phe Tyr Glu Trp Phe Xaa Ala Gln Val Thr
1 5 10 15

<210> 306

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 306

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Arg Ala Gln Val Thr
1 5 10 15

<210> 307

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 307

Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 308

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 308

Gly Phe Arg Glu Gly Asp Phe Tyr Gly Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 309

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 309

Gly Phe Arg Glu Gly Gly Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 310

<211> 16
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 310

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 311

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 311

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 312

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 312

Gly Phe Arg Glu Gly Gly Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 313

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 313

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 314

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 314

Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 315

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 315

Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 316

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 316

Gly Phe Arg Glu Gly His Phe Tyr Asp Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 317

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 317

Gly Phe Arg Glu Gly Gln Phe Tyr Glu Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 318

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 318

Gly Phe Arg Glu Gly Ser Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 319

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 319

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 320

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 320

Gly Phe Arg Glu Gly His Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 321

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 321

Gly Phe Arg Glu Gly Gln Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 322

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 322

Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 323

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 323

Gly Phe Arg Glu Gly Gln Phe Tyr Asp Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 324

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 324

Gly Phe Arg Glu Gly Asp Phe Tyr Gln Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 325

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 325

Gly Phe Arg Glu Gly Asn Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 326

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 326

Gly Phe Arg Asp Gly Ser Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 327

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 327

Gly Phe Arg Glu Gly His Phe Tyr Glu Trp Phe Gln Ala Gln Val Thr
1 5 10 15

<210> 328

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 328

Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Ser Ala Gln Val Thr
1 5 10 15

<210> 329

<211> 16

<212> PRT

<213> Artificial Sequence

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Gly Phe Arg Glu Gly His Phe Tyr Asp Trp Phe Asp Ala Gln Val Thr
1 5 10 15

<210> 330

<211> 16

<212> PRT

<213> Artificial Sequence

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<400> 330

Gly Phe Arg Glu Gly Tyr Phe Tyr Asp Trp Phe Lys Ala Gln Val Thr
1 5 10 15

<210> 331

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 331
Gly Phe Arg Glu Gly His Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 332
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 332
Gly Phe Arg Glu Gly Asp Phe Tyr Asp Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 333
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 333
Gly Phe Arg Glu Gly Thr Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 334
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 334
Gly Phe Arg Glu Gly Asp Tyr Tyr Gly Trp Phe Glu Ala Gln Val Thr
1 5 10 15

<210> 335
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 335
Gly Phe Arg Glu Gly Asp Phe Tyr Ala Trp Phe Met Ala Gln Val Thr
1 5 10 15

<210> 336
<211> 16
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 336
Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Leu Ala Gln Val Thr
1 5 10 15

<210> 337
<211> 16
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<220>
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<400> 337
Gly Phe Arg Glu Gly Ser Phe Tyr Asp Trp Phe Asp Ala Gln Val Thr
1 5 10 15

<210> 338
<211> 16
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<220>
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<400> 338
Gly Phe Arg Glu Gly Asn Phe Tyr Asp Gln Phe Val Ala Gln Val Thr
1 5 10 15

<210> 339
<211> 16
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<220>
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<400> 339
Gly Phe Arg Glu Gly His Phe Tyr Glu Trp Phe Ala Ala Gln Val Thr
1 5 10 15

<210> 340
<211> 16
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<220>
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<400> 340
Gly Phe Arg Glu Gly Asn Phe Tyr Glu Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 341
<211> 16
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<220>
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<400> 341
Gly Phe Arg Glu Gly Lys Phe Tyr Asp Trp Phe Val Ala Gln Val Thr
1 5 10 15

<210> 342
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 342
Gly Phe Arg Glu Gly Met Phe Asp Val Gln Leu Leu Ala Gln Val Thr
1 5 10 15

<210> 343
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 343

Xaa Xaa Xaa Xaa Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Xaa Xaa Xaa Xaa Xaa Xaa
20 25

<210> 344

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 344

Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ser
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<210> 345

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 345

Thr Tyr Lys Ala Arg Phe Leu His Glu Asn Phe Tyr Asp Trp Phe Asn
1 5 10 15

Arg Gln Val Ser Gln Tyr Phe Gly Arg Val
20 25

<210> 346

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 346

Gln Arg Leu Ser Leu His Glu Gln Phe Tyr Asp Trp Phe Val Gly Gln
1 5 10 15

Val Ser Pro Leu Gly Ala Gly Gly
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<210> 347
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 347
Gly Gly Gly Lys Val Asn Phe His Glu Asp Phe Tyr Gly Trp Phe Val
1 5 10 15

Gln Gln Phe Ser Gly Val Gly Ser Asp Arg
20 25

<210> 348
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 348
Leu Val Gly Asp Ala Pro Phe His Glu Asp Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Phe Gly Cys Cys Gln Glu Gln
20 25

<210> 349
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
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peptide

<400> 349
Thr Gly Ala Glu Val Ser Phe His Glu Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Tyr Ser Ser Trp Leu Asp Arg Asp
20 25

<210> 350
<211> 26

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 350
Gln Pro His Ser Ser Arg Leu His Glu Ser Phe Tyr Asp Trp Phe Asp
1 5 10 15
Arg Gln Val Pro Trp Tyr Ala Leu Asp Arg
20 25

<210> 351
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 351
Ser Arg Ala Leu Ala Ala Val His Glu Gln Phe Tyr Asp Trp Phe Val
1 5 10 15
Arg Gln Val Ser Gly Leu Asp Trp Gly Tyr
20 25

<210> 352
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 352
Gln Pro Lys Asp Gly Thr Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15
Arg Gln Val Ser Ser Ser Gly Trp Val Gly
20 25

<210> 353
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 353
Arg Gly Arg Leu Ile Gln Leu His Glu Asp Phe Tyr Asp Trp Phe Leu
1 5 10 15

Arg Gln Val Ser Gly Met Gly Gly Ser
20 25

<210> 354
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 354
Gln Arg Gly Ala Pro Lys Ser Asp Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Leu Arg Phe Gly Glu Asn Asp
20 25

<210> 355
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 355
Ala Ala Arg Thr Ser Leu Phe His Glu Asp Phe Tyr Glu Trp Phe Asp
1 5 10 15

Arg Gln Val Arg Gln Glu Gly Met Trp Gly
20 25

<210> 356
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 356
Gly Thr Ser Asn His Ser Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Leu Ser Ser Val Gln Ser Ser Gly
20 25

<210> 357

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 357

Val Ser His Val His Leu Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Leu Ala Ala Glu Gly Phe Ser Gly
20 25

<210> 358

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 358

Gly Arg Gln Asp Ser Gly Leu His Glu His Phe Tyr Asp Trp Phe Ser
1 5 10 15Arg Gln Val Gln Gly Glu Val Ala Leu Gly
20 25

<210> 359

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 359

Ser Asn Asp Glu Arg Gln Phe His Glu Thr Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Val Ser Ala Asp Gly Ala Asp Arg
20 25

<210> 360

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 360

Leu Ser Thr Glu Gln Arg Phe His Glu Lys Phe Tyr Asp Trp Phe Val
1 5 10 15

His Gln Val Ser Thr Ser Gly Gly Gly Thr
20 25

<210> 361

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 361

Ser Leu Ser Arg Glu Gln Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Glu Leu Glu Gly Val Val
20 25

<210> 362

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 362

Ile Pro Gly Arg Arg Ser Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Pro Gly Gly Gly Ser Ala
20 25

<210> 363

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 363

Thr Gln Lys Ala Gln Ser Leu Asp Glu Lys Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Gly Leu Thr Gly
20 25

<210> 364

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 364

Val Ser Gln Leu Ser Asp Phe His Glu Asn Phe Tyr Gly Trp Phe Ala
1 5 10 15

Arg Gln Ile Ala Gly Gln Ala Glu Trp Thr
20 25

<210> 365

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 365

Asn Gly Thr Ser Gln Ala Leu His Gln Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Gln Gln Ile Ser Gly Ser Glu Pro Gly Pro
20 25

<210> 366

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 366

Val Gly Gln Ser Val Thr Phe His Gly Asp Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Leu Ser Gly Ser Gln Glu Phe Gly
20 25

<210> 367

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 367

Thr Ile Asp His His Pro Leu His Glu Gln Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Asp Leu Glu Ser Leu Gly
20 25

<210> 368

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 368

Pro Asn Val Gly Tyr Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Ile
1 5 10 15

Arg Gln Val Ser Ile Glu Glu Lys Ala Gly
20 25

<210> 369

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 369

Ser Arg Gly Ser Gly Val Phe His Glu Ser Phe Tyr Asn Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Glu Trp Ile Gln Phe Gly
20 25

<210> 370

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 370

Gln Pro Val Ser Gly Ser Val His Glu Arg Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Val Ser Gly Ser Ala Gly Gly Gly
20 25

<210> 371

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 371

Ala Ser Gln Leu Pro Pro Val Tyr Glu Asn Phe Tyr Glu Trp Phe Asp
1 5 10 15Arg Gln Val Ser Leu Asp Ala Gln Arg Glu
20 25

<210> 372

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 372

Val Ser Gly Arg Gly Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Val Phe Arg Asp Glu Gln Asp Thr
20 25

<210> 373

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 373

Ala Arg Pro Pro Pro Thr Val His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Glu Thr Trp Arg Gln Asp
20 25

<210> 374

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 374

Gln Gly Gly Asp Arg Leu Phe His Glu Arg Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Leu Val Ser Ser Asp Ser Thr Gly Glu
20 25

<210> 375

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 375

Gln His Ile Ala Ala Gly Leu His Glu Asn Phe Tyr Asp Trp Phe Ile
1 5 10 15

Arg Gln Val Ser Gly Val Asn Val Pro Ala
20 25

<210> 376

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 376

Gln Pro Asn Asp Gly Leu Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Asn Ala Val Asp Gly Gly
20 25

<210> 377

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 377

Pro Val Glu Phe Thr Val Tyr His Asp Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Asp Gly Leu Gly Gln Phe
20 25

<210> 378

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 378

Phe Cys Val Gln Ala Ser Ile His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ala Glu Asn Gln Val Phe Ser
20 25

<210> 379

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 379

Gly Arg Pro Arg Gly Ser Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gly Asp Gly Ala Gly Thr
20 25

<210> 380

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 380

Ile Val Gly Ala Ser Leu Cys His Glu Ser Phe Tyr Asp Trp Phe Ala
1 5 10 15Cys Gln Val Thr Asn Leu Gln Ser Gln Gly
20 25

<210> 381

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 381

Ile Gly Leu Arg Gln Met Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15Arg Glu Val Ser Lys Glu Ala Gly Asp Gly
20 25

<210> 382

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 382

Leu Gly Gly Ala Ile Glu Gly His Gly Asn Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Val Ser Leu Asp Val Gly Gly Glu
20 25

<210> 383

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 383

Leu Asn Ala Leu Gln Gln Leu His Glu Asn Phe Tyr Asp Trp Phe Gly
1 5 10 15

Arg Gln Val Ser Ala Thr Pro Pro Gly Gly
20 25

<210> 384
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 384
Val Gly Asn Cys Asp Thr Phe Pro Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Cys Gln Val Ser Glu Leu Gly Gly Met Asn
20 25

<210> 385
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 385
Phe Ser Gln Asp Gly Asn Phe His Glu Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Leu Ser Leu Val Gly Ala Gly Thr
20 25

<210> 386
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 386
Pro Ala Gly Asn Arg Ala Leu His Glu Ser Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Glu Phe Gln Leu Gly Ala
20 25

<210> 387

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 387

Asp Arg Leu Arg Ala Arg Phe Asn Glu Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Gly Gln Gly Ser Met Pro
20 25

<210> 388

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 388

Val Leu Gly Val Ala Gln Phe His Asp Lys Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gln Leu Glu Ser Ala Gly
20 25

<210> 389

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 389

Gly Val Val Gly Gly Ala Phe His Glu Gln Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Ala Ala Phe Lys Gly Asp
20 25

<210> 390

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 390
Asp Glu Ser Glu Met Arg Leu His Glu Gln Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Leu Val Ser Leu Glu Gly Gly Ser Ala
20 25

<210> 391

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 391

Glu Gly Gly Gly Val Ala Ile His Glu Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Leu Gln Gly Trp Ser Asp
20 25

<210> 392

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 392

Ser Arg Ile Val Ser Arg Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Asp Ala Pro Val Gln
20 25

<210> 393

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 393

Ile Pro Ala Gly Ala Gln Leu His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gly Glu Asp Gly Gly Ala
 20 25

<210> 394

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 394

Gly Ser Ser Ala Ala Gly Phe Asp Glu Gln Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Ser Glu Ala Phe Arg Asp Gly
 20 25

<210> 395

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 395

Arg Leu Ala Leu Arg Thr Phe His Gln Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ala Ala Glu Asp Thr Asp Pro
 20 25

<210> 396

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 396

Gln Gly Ser Phe Ala Val Leu His Glu Asn Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Arg Gln Val Ser Gly Val Glu Gly Leu Ala
 20 25

<210> 397

<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 397
Gln Gly Asn Met Ser Ala Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15
Arg Gln Val Ser Glu Ala Asp Arg Val Asp
20 25

<210> 398
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 398
Val Ala Tyr Pro Ala Leu Leu His Glu Gln Phe Tyr Asp Trp Phe Val
1 5 10 15
Arg Gln Val Ser Ala Val Ala Gly Thr Thr
20 25

<210> 399
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 399
Pro Asp Thr Ile Asn Ser Gln His Lys Asn Phe Tyr Asp Trp Phe Val
1 5 10 15
Arg Gln Val Ser Gly Val Gly Thr Ser Ser
20 25

<210> 400
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 400
Ser Glu Asp Val Asp Ser Arg His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Ile Gly Leu Gln Asp
20 25

<210> 401
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 401
Pro Ala Pro Ala Asp Ala Phe Asp His Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Leu Ser Ala Thr Thr Thr Ile Gln
20 25

<210> 402
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 402
Met Val Gln Arg Ile Ser Ile His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Ile Ser Gly Ser Ala Val Pro Pro
20 25

<210> 403
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 403
Gly Asn Val Arg Gly Gln Phe His Gly Gln Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gly Ser Glu Gly Asp Ala
20 25

<210> 404
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 404
Pro Asp Ala Glu Lys Gln Phe His Glu Thr Phe Tyr Gly Trp Phe Val
1 5 10 15

Arg Gln Ile Ser Glu Asp Ser Ala Asn Ser
20 25

<210> 405
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 405
Phe Gly Arg Gly Val His Cys Asp Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Cys Gln Val Ser Gly Ala Leu Leu Glu Gly
20 25

<210> 406
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 406
Glu Thr Pro Leu Thr Glu Leu His Glu Gln Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Phe Pro Gly Gly Val
20 25

<210> 407
<211> 26

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 407
Gln His Arg Gly Pro His Phe His Glu Asp Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Ser Ala Val Pro Ser Asp
20 25

<210> 408
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 408
Arg Gln Asp Pro Gly Leu Phe His Asp Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Leu Val Ser Ala Trp Asp Gly Gln Glu
20 25

<210> 409
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 409
Gln Ala Ala Val Gly Val Cys Asn Lys Asp Phe Tyr Ala Trp Phe Ala
1 5 10 15

Cys Gln Val Arg Glu Asp Phe Ala Lys Ala
20 25

<210> 410
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 410

Arg Asn Trp Asn Leu Gln Phe Asn Glu Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Ala Leu Arg Gly Gly Gly
20 25

<210> 411

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 411

Arg Ser Glu Gln Tyr Arg Phe His Glu Asn Phe Tyr Glu Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Arg Met Gly Leu Leu Gly
20 25

<210> 412

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 412

Gly Ala Gly Gly Arg Asp Phe Asp Glu Asp Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Gln Val Thr Ser Gly
20 25

<210> 413

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 413

Ser Pro Glu Gly Asn Leu Val His Asp Gln Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Leu Ser Ser Thr Ser Ala Gly Thr
20 25

<210> 414

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 414

Gln Gly Gly Leu Gly Asp Phe Asp Glu Asp Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Arg Arg Asp Arg Ala Asp
20 25

<210> 415

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 415

Leu Ser Gln Gly Val Gly Phe Gln Glu Asn Phe Tyr Glu Trp Phe Glu
1 5 10 15

Arg Gln Val Ser Gly Trp Asp Gly Arg Asp
20 25

<210> 416

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 416

Val Phe Glu Arg Ser Arg Cys His Asp Asn Phe Tyr Asp Trp Phe Phe
1 5 10 15

Cys Gln Val Ser Gly Gln Ala Asp Gly Gly
20 25

<210> 417

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 417

Leu Leu Ala Ser Arg Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gly Thr Gln Pro Pro Gly
20 25

<210> 418

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 418

Val Pro Asp Ala Gln Ile Phe His Glu Ser Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Ala Ser Ala Gly Gly Pro Ala Asp
20 25

<210> 419

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 419

Ala Asn Gln Met Gly Arg Phe His Asp Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Arg Tyr Glu Arg Gly Thr
20 25

<210> 420

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 420

Pro Ser Arg Lys Asp Gly Leu His Gln Ser Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Gln Asp Met Glu Gly Arg Ala
20 25

<210> 421

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 421

Gln Ala Val Thr Arg Arg Phe His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Glu Glu Gly Gly Trp Ser
20 25

<210> 422

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 422

Gly Tyr Ala Val Gly Gln Tyr Gln Ala Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Asp Gly Met Ser Asn Gly Gly
20 25

<210> 423

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 423

Gly His Gln Arg Asp Leu Leu His Glu Ser Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Glu Ala Glu Gly Gly
20 25

<210> 424

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 424

Asp Arg Pro Ser Ser Phe Ile His Glu Asn Phe Tyr Glu Trp Phe Ala
1 5 10 15Arg Gln Val Ser Gln Ser Gly Ser Ser Gly
20 25

<210> 425

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 425

Glu Arg Thr Ala Glu Thr Leu His Glu Gln Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Val Ser Ala Met Asp Gly Glu Ser
20 25

<210> 426

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 426

Leu Thr Ser Gln Leu Leu Ser His Glu Asp Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Val Ser Gly Val Gly Gly Ser Gly
20 25

<210> 427

<211> 26

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 427
Pro Asp Arg Ser Asp Arg Leu Asp Asp Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gln Val Ile Asn Glu Asp
20 25

<210> 428
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 428
Arg Ala Gly Gly Val Gly Leu His Asp Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Gly Asp Ser Gly Pro
20 25

<210> 429
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 429
Ala Asp Cys Tyr Val Gln Leu His Glu Asn Phe Tyr Asp Trp Phe Arg
1 5 10 15

Arg Gln Val Cys Asn Leu Gln Glu Gly Met
20 25

<210> 430
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 430

Arg Gln Gly His Ala Gly Phe His Asp Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ser Thr Pro Gln Val
 20 25

<210> 431

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 431

Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Arg Gln Val Ser
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<210> 432

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 432

Gly Ile Ile Ser Gln Ser Cys Pro Glu Ser Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Gly Gln Val Ser Asp Pro Trp Trp Cys Trp
 20 25

<210> 433

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 433

Val Gly Arg Ala Ser Gly Phe Pro Glu Asn Phe Tyr Asp Trp Phe Gly
 1 5 10 15

Arg Gln Leu Ser Leu Gln Ser Gly Glu Gln
 20 25

<210> 434

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 434

Val Gly Tyr Gln Gly Gln Gly Asp Glu Asn Phe Tyr Asp Trp Phe Ile
1 5 10 15

Arg Gln Val Ser Gly Arg Leu Gly Val Gln
20 25

<210> 435

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 435

Ser Ala Cys Gln Phe Asp Cys His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Val Ser Gly Gly Ala Ala Tyr Gly
20 25

<210> 436

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 436

Ser Ala Ala Gln Leu Phe Phe Gln Glu Ser Phe Tyr Asp Trp Phe Leu
1 5 10 15

Arg Gln Val Ala Glu Ser Ser Gln Pro Asn
20 25

<210> 437

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 437

Ala Val Arg Ala Thr Arg Phe Asp Glu Ala Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Ile Ser Asp Gly Gln Gly Asn Lys
20 25

<210> 438

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 438

Val Asn Gln Ser Gly Ser Ile His Glu Asn Phe Tyr Asp Trp Phe Glu
1 5 10 15Arg Gln Val Ser His Gln Arg Gly Val Arg
20 25

<210> 439

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 439

Ala Pro Asp Pro Ser Asp Phe Gln Glu Ile Phe Tyr Asp Trp Phe Val
1 5 10 15Arg Gln Val Ser Arg Met Pro Gly Gly Gly
20 25

<210> 440

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 440

Ser Ser Cys Asp Gly Ala Gly His Glu Ser Phe Tyr Glu Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Cys Arg Ser Val
20 25

<210> 441
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 441
Arg Ala Gly Ser Ser Asp Phe His Glu Asp Phe Tyr Glu Trp Phe Val
1 5 10 15

Arg Gln Val Ser Leu Ser Leu Lys Gly Lys
20 25

<210> 442
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 442
Gln Ala Val Gln Pro Gly Phe His Glu Glu Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Thr Gly Val Gly Gly Gly
20 25

<210> 443
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 443
Ser Ser Ile Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Ser
1 5 10 15

Arg Gln Leu Ser Gln Ser Pro Pro Leu Lys
20 25

<210> 444

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 444

Gln Ser Pro Val Gly Ser Ser His Glu Asp Phe Tyr Asp Trp Phe Phe
1 5 10 15

Arg Gln Val Ala Gln Ser Gly Ala His Gln

20 25

<210> 445

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 445

Asn Tyr Arg Arg Gln Val Phe Asn Gly Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Phe Ser Leu Val Thr Pro Gly

20 25

<210> 446

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 446

Thr Leu Asp Gly Gly Ser Phe Glu Glu Gln Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Leu Ser Tyr Arg Thr Asn Pro Asp

20 25

<210> 447

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 447

Phe Tyr Val Gln Gln Trp Gly His Glu Asn Phe Tyr Asp Trp Phe Asp
1 5 10 15
Arg Gln Val Ser Gln Ser Gly Gly Ala Gly
20 25

<210> 448

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 448

Leu Arg Arg Gln Ala Pro Val Glu Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Asp Arg Val Gly Gly
20 25

<210> 449

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 449

Arg Cys Gly Arg Glu Leu Tyr His Ser Thr Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ala Gly Arg Thr Cys Pro Ser
20 25

<210> 450

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 450

Cys Cys Leu Leu Cys Arg Phe Gln Gln Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Cys Gln Gly Ile Ser Arg Leu Arg Pro Leu
20 25

<210> 451
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 451
Pro Pro Leu Ala Ser Asp Leu Asp Val Gln Phe Tyr Gly Trp Phe Val
1 5 10 15

Gln Gln Val Ser Pro Pro Gly Arg Gly Gly
20 25

<210> 452
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 452
Gly Ala Pro Val Asp Gln Leu His Glu Asp Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gln Ala Ala Thr Gly
20 25

<210> 453
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 453
Arg Ser Ala Ser Gly Ser Leu Pro Glu Gln Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Leu Ser Gly Thr Asp Lys
20 25

<210> 454

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 454

Ser Arg Val Thr Thr Val Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Leu Ser Asp Ser Ala Ile Ser Gly
20 25

<210> 455

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 455

Asp Glu Arg Gly Gly Lys Phe Arg Glu Asp Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Glu Ser Arg Phe Gly Gln
20 25

<210> 456

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 456

Arg Gly Ala Val Ala Gly Phe His Asp Gln Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Arg Val His Lys Phe Gly
20 25

<210> 457

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 457
 Ala Ile Cys Asp Ala Gly Phe His Glu His Phe Tyr Asp Trp Phe Ala
 1 5 10 15

Leu Gln Val Ser Asp Cys Gly Arg Gln Ser
 20 25

<210> 458
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 458
 Leu Gly Tyr Gln Glu Pro Phe Gln Gln Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ala Glu Asn Ala Gly
 20 25

<210> 459
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 459
 Trp Arg Gly His Gly Thr Phe His Glu Asp Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Ser Gly Ser Ser Thr
 20 25

<210> 460
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 460
 Gly Gly Arg Val Gly Val Leu His Glu Asn Phe Tyr Asp Trp Phe Asp
 1 5 10 15

Arg Gln Val Ser Leu Arg Gly Ala Asp Gly
20 25

<210> 461
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 461
Cys Asn Leu Thr Ala Gly Phe His Glu Gln Phe Tyr His Trp Phe Ala
1 5 10 15

Ile Gln Val Cys Gly Asp Ala Glu Asn Ala
20 25

<210> 462
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 462
Glu Arg Gly Glu Asp Met Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Ile Ser Gly Arg Gln Gly Gly Gly
20 25

<210> 463
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 463
Thr Asn Gln Gly Val Gly Phe Tyr Asp Ser Phe Tyr Gly Trp Phe Val
1 5 10 15

Arg Gln Ile Gln Tyr Gly Val Asp Ser Gly
20 25

<210> 464
<211> 26

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 464

His Leu Ala Asp Gly Gln Phe His Glu Lys Phe Tyr Asp Trp Phe Glu
1 5 10 15

Arg Gln Ile Ser Ser Arg Cys Asn Asp Cys
20 25

<210> 465

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 465

Gln Thr Phe Gly Lys Ser Leu His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Arg Glu Glu Gly Gly Asp
20 25

<210> 466

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 466

Phe Arg Thr Leu Ala Ala Gln His Asp Ser Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg Gln Val Ser Gly Ala Ala Gly Glu Arg
20 25

<210> 467

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 467

Ser Ala Ser Thr His Gln Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Arg Gln Val Ser Gly Ala Gln Lys Ile Leu
20 25

<210> 468

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 468

Xaa Xaa Xaa Xaa Xaa Xaa Phe His Xaa Xaa Phe Tyr Xaa Trp Phe Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa

20

<210> 469

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 469

Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ser

20

<210> 470

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 470
Gln Ser Asp Ser Gly Thr Val His Asp Arg Phe Tyr Gly Trp Phe Arg
1 5 10 15

Asp Thr Xaa Ala
20

<210> 471
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 471
Trp Thr Asp Val Asp Gly Phe His Ser Gly Phe Tyr Arg Trp Phe Gln
1 5 10 15

Asn Gln Trp Glu Arg
20

<210> 472
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 472
Val Ala Ser Gly His Val Leu His Gly Gln Phe Tyr Arg Trp Phe Val
1 5 10 15

Asp Gln Phe Ala Leu
20

<210> 473
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 473
Gln Ala Arg Val Gly Asn Val His Gln Gln Phe Tyr Glu Trp Phe Arg
1 5 10 15

Glu Val Met Gln Gly
20

<210> 474
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 474
Val Gly Asp Phe Cys Val Ser His Asp Cys Phe Tyr Gly Trp Phe Leu
1 5 10 15

Arg Glu Ser Met Gln
20

<210> 475
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 475
Ser Gly Ser Arg Pro Val Phe His Glu Gln Phe Tyr Glu Trp Phe Val
1 5 10 15

Asp Gln Leu Gly
20

<210> 476
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 476
Gln Phe Ser Ala Gly Ala Phe His Gly Asp Phe Tyr Gly Trp Phe Arg
1 5 10 15

Ala Leu Tyr Asn Gly
20

<210> 477
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 477

Ser Arg Phe Asp Glu Arg Leu His His Gln Phe Tyr Glu Trp Phe Arg
1 5 10 15

Val Leu Asn Glu Pro
20

<210> 478

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 478

Asp Ser Val Asn Ser Asp Leu His Arg Ala Phe Tyr Gly Trp Phe Ala
1 5 10 15

Glu Gln Trp Arg Ala
20

<210> 479

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 479

Gly Ser Val Asp Arg Glu Ile His Gly Pro Phe Tyr Ser Trp Phe Ser
1 5 10 15

Glu Gln Leu Trp Gly
20

<210> 480

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 480
Ser Ala Lys Thr Pro Val Leu His Asp Gly Phe Tyr Met Trp Phe Glu
1 5 10 15

Ala Gln Ser Glu Ser
20

<210> 481
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 481
Leu Val Val Gly Arg Arg Phe His Gln Ser Phe Tyr Asp Trp Phe Val
1 5 10 15

Ala Ala Ala Gly Gly
20

<210> 482
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 482
Ile Met Trp Pro Cys Thr Phe Gln Asp Pro Phe Tyr Cys Trp Phe Gln
1 5 10 15

Thr Glu Gln Gly Arg
20

<210> 483
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 483
Val Val Gly Pro Leu Asp Ile His Glu Arg Phe Tyr Gly Trp Phe His
1 5 10 15

Gln Gln Gly Gly Ala
20

<210> 484
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 484
Val Val Pro Lys Ala Gly Phe His Glu Ala Phe Tyr Glu Trp Phe Arg
1 5 10 15

Arg Gln Asp Arg Asp
20

<210> 485
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 485
Gln Ser Phe Val Thr Ser Val His Thr Arg Phe Tyr Ala Trp Phe Ala
1 5 10 15

Ser Ala Leu Glu Met
20

<210> 486
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 486
Ser Arg Gly Leu Gly Leu Tyr His Ser Gly Phe Tyr Gly Trp Phe Glu
1 5 10 15

Arg Gln Phe Asn Gln
20

<210> 487
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 487

Gly Ala Asp Thr Gly Ala Val His Arg Arg Phe Tyr Leu Trp Phe Glu
1 5 10 15Gln Leu Ser Gly Gly
20

<210> 488

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 488

Pro Gly Asn Arg Pro Thr Phe His Ala Glu Phe Tyr Arg Trp Phe Arg
1 5 10 15Glu Ala Gln Gly Ser
20

<210> 489

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 489

Val Ala Val Ala Trp Gly Leu His Glu Ser Phe Tyr Ala Trp Phe Glu
1 5 10 15Asn Gln Phe Ser Asp
20

<210> 490

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 490

Gly Phe Asn Thr Gly Thr Phe His Asp Gln Phe Tyr Tyr Trp Phe Trp
 1 5 10 15

Glu Ala Ala Gly Gly
 20

<210> 491

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 491

Gly Asp Gly Leu Thr Ala Phe His Gln Gly Phe Tyr Glu Trp Phe Asp
 1 5 10 15

Ile Gln Met Tyr Gly
 20

<210> 492

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 492

Val Gly Val Asn Arg Gln Phe His Thr Arg Phe Tyr Ala Trp Phe Asp
 1 5 10 15

Glu Gln Leu Gly Gly
 20

<210> 493

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
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<400> 493

Gly Pro Arg Gly Gln Arg Leu His Asp Ala Phe Tyr Ser Trp Phe Asp
 1 5 10 15

Ala Leu Arg Val Asn
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<210> 494

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 494

Leu Gly Thr Leu Ala Val Phe His Glu Leu Phe Tyr Gly Trp Phe Glu
1 5 10 15

Arg Gln Leu Gly Gly

20

<210> 495

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 495

Leu Gly Gly Tyr Cys Gly Phe Asn Cys Gln Phe Tyr Arg Trp Phe Asp
1 5 10 15

Asn Leu Ala Asp Arg

20

<210> 496

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 496

Phe Ser Gly Trp Ala Asp Tyr Gln Ser Gly Phe Tyr Gln Trp Phe Ala
1 5 10 15

Glu Glu Leu Ala Asn

20

<210> 497

<211> 21

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 497
Trp Gly Pro Phe Ser Val Phe Asp Glu Ser Phe Tyr Arg Trp Phe Ala
1 5 10 15

Gln Ala Ser Asp Asp
20

<210> 498
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 498
Pro Arg Asn Glu Gly Leu Val His Gly Leu Phe Tyr Asp Trp Phe Gln
1 5 10 15

Arg Ala Leu Ser Gly
20

<210> 499
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 499
Asp Glu Gly Gly Ala Pro Leu Asp Val Met Phe Tyr Arg Trp Phe Glu
1 5 10 15

Gln Ala Val Arg Gly
20

<210> 500
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 500
Gln Ser Gly Asn Arg Gly Ser His Gly Ala Phe Tyr Ser Trp Phe Arg
1 5 10 15

Asp Val Leu Ala Asn
20

<210> 501
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 501
Met Arg Gln Arg Asp Gly Phe Asn Ser Ser Phe Tyr Gly Trp Phe Ala
1 5 10 15

Ala Ala Leu Gly Glu
20

<210> 502
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 502
Ser Glu Glu Arg Lys Lys Val His Ser Gln Phe Tyr Ser Trp Phe Asp
1 5 10 15

Arg Gln Leu Leu Gly
20

<210> 503
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 503
Pro Ser Pro Asn Ala Pro Phe His Gly Gly Phe Tyr Asp Trp Phe Asp
1 5 10 15

Trp Val Gln Gly Ser
20

<210> 504
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 504
Phe His Arg Pro Gly Ser Phe Asn Thr Asn Phe Tyr Gln Trp Phe Asp
1 5 10 15

Asp Gln Met Asn Gln
20

<210> 505
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 505
Ser Asp Asp Ser Ser Thr Leu Asn Gly Arg Phe Tyr Thr Trp Phe His
1 5 10 15

Met Gln Leu Leu Asp
20

<210> 506
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 506
Gln Arg Gly Gly Gly Phe His Glu Gly Phe Tyr Ser Trp Phe Arg
1 5 10 15

Ser Gln Ser Leu Leu
20

<210> 507
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 507

Ser Gly Ser Arg Pro Val Phe His Glu Gln Phe Tyr Glu Trp Phe Val
1 5 10 15

Asp Gln Leu Gly Leu
20

<210> 508

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 508

Gly Gly Ser Ser Gln Ala Phe His Gly Ala Phe Tyr Glu Trp Phe Ser
1 5 10 15

Ala Gln Leu Arg Gly
20

<210> 509

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 509

Ala Phe Val Ser Glu Arg Val Asn Gln Arg Phe Tyr Asp Trp Phe Arg
1 5 10 15

Asp Gln Met Arg Ser
20

<210> 510

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 510

Val Arg His Pro Thr Arg Phe His Asp Glu Phe Tyr Arg Trp Phe Thr
1 5 10 15

Glu Gln Leu Thr Thr
20

<210> 511
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 511
Ala Arg Leu Leu Asn Ile Phe Asp Arg Gly Phe Tyr Asn Trp Phe Gln
1 5 10 15

Arg Gln Leu Asp Glu
20

<210> 512
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 512
Pro Ser Leu Ser Ser Asn Leu His Glu Ser Phe Tyr Arg Trp Phe Asp
1 5 10 15

Gln Leu Val Ser Thr
20

<210> 513
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 513
Phe Ala Phe Gly Leu Gly Phe His Gln Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15

His Gln Leu Glu Gly
20

<210> 514

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 514
Val Ser Ala Thr Val Met Leu His Arg Glu Phe Tyr Asp Trp Phe Gly
1 5 10 15

Leu Gln Leu Leu Asp
20

<210> 515
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 515
Gly Gly Val Ser Gly Val Leu His Asp Arg Phe Tyr Ser Trp Phe Glu
1 5 10 15

Arg Gln Leu Ala Gly
20

<210> 516
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 516
Gly Leu Gly Ile Ala Ser Phe His Glu Gly Phe Tyr Ser Trp Phe Thr
1 5 10 15

Ala Gln Leu Gly Ala
20

<210> 517
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 517
Arg Val Asp Ala Ala Ala Leu Asn Ala Gly Phe Tyr Glu Trp Phe Arg
1 5 10 15

Gly Val Ile Gln Gly
20

<210> 518
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 518
Gly Gly Ala Gly Arg Ser Phe His Asp Ala Phe Tyr Glu Trp Phe Glu
1 5 10 15

Arg Gln Met Ala Gly
20

<210> 519
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 519
Glu Gly Ala Arg Gln Gly Phe His Ala Arg Phe Tyr Ser Trp Phe Ala
1 5 10 15

Gln Gln Leu Ala Leu
20

<210> 520
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 520
Val Leu Leu Pro Gly Val Val His Gly Gly Phe Tyr Asp Trp Phe Ser
1 5 10 15

Arg Gln Leu Ser Ser
20

<210> 521
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 521
Gly Ala Leu Ser Asp Arg Tyr Asn Asn Val Phe Tyr Asp Trp Phe Arg
1 5 10 15

Glu Gln Leu Leu Gly
20

<210> 522
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 522
Pro Asp Ser Phe Met Ser Leu His Gln Arg Phe Tyr Ser Trp Phe Gln
1 5 10 15

Ala Gln Val Gly Thr
20

<210> 523
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 523
Arg Val Tyr Lys Ala Asn Phe His Asn Glu Phe Tyr Gly Trp Phe Arg
1 5 10 15

Glu Gln Leu Leu Gly
20

<210> 524
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 524

His Ser Gly Met Arg Asp Val His Ala Arg Phe Tyr Ser Trp Phe Ser
1 5 10 15

Glu Gln Leu Ser Gly

20

<210> 525

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 525

Ala Arg Leu Leu Glu Arg Phe Gln Asp Pro Phe Tyr Glu Trp Phe Glu
1 5 10 15

Thr Leu Met Gly Asp

20

<210> 526

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 526

Arg Asn Ser Ser Gly Asn Phe His Asp Lys Phe Tyr Asn Trp Phe Glu
1 5 10 15

Ala Gln Leu Lys Gly

20

<210> 527

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 527

Gly Ser Met Ser Pro Val Phe Asn Asp Gln Phe Tyr Gly Trp Phe Arg
1 5 10 15

Asp Leu Val Asp Glu
20

<210> 528

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 528

Ser Cys Thr Gly Arg Gln Phe Asp Gly Cys Phe Tyr Ala Trp Phe Glu
1 5 10 15

Asp Gln Leu Val Gly
20

<210> 529

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 529

Gly Ile Ala Val Gln Ser Leu His Asp Ser Phe Tyr Arg Trp Phe Asp
1 5 10 15

Asn Ala Leu Gly Ser
20

<210> 530

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 530

Ile Gly Pro Pro Gly Ser Leu His Arg Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15

Glu Gln Val Glu Ala
20

<210> 531

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 531

Gly Ala Ala Gly Ile Ser Phe His Arg Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15

Ala Gln Val Arg Asp

20

<210> 532

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 532

Gly Val Asp Val Thr Asp Phe His Lys Asp Phe Tyr Ser Trp Phe Gln
1 5 10 15

Arg Gln Leu Asn Gly

20

<210> 533

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 533

Trp Ala Gly Arg Ala Gly Ile His Gly Gly Phe Tyr Glu Trp Phe Asn
1 5 10 15

Arg Gln Leu Arg Gly

20

<210> 534

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 534

Leu Gly Gln Leu Ala Ala Phe His Leu Gly Phe Tyr Glu Trp Phe Ser
1 5 10 15

Glu Ala Val Ala Ala

20

<210> 535

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 535

Val His Ser Val Ser Arg Leu Asn Val Gly Phe Tyr Gln Trp Phe Gln
1 5 10 15

Asp Gln Leu Ser Gly

20

<210> 536

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 536

Leu Gly Leu Met Ala Ile Phe Asp Arg Gly Phe Tyr Gly Trp Phe Glu
1 5 10 15

Gln Gln Leu Ser Gly

20

<210> 537

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 537

Val	Ala	Arg	Gly	Ser	Ser	Leu	His	Asp	Asp	Phe	Tyr	Glu	Trp	Phe	Ala
1				5						10				15	

Ser	Gln	Leu	Arg	Thr
		20		

<210> 538

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 538

Leu	Gly	Tyr	Ile	Gly	Ala	Leu	Asn	Thr	Gln	Phe	Tyr	Ser	Trp	Phe	Ala
1				5					10					15	

Asp	Leu	Val	Gly	Ser
		20		

<210> 539

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 539

Glu	Asp	Ser	Arg	Leu	Arg	Leu	His	Glu	Gly	Phe	Tyr	Gly	Trp	Phe	Arg
1				5				10						15	

Lys	Gln	Leu	Gly	Asp
		20		

<210> 540

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 540

Gly	Arg	Asp	Asn	Met	Lys	Phe	His	Ser	Gly	Phe	Tyr	Asp	Trp	Phe	Thr
1				5				10						15	

Gln	Gln	Leu	Ala	Gly
		20		

<210> 541

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 541

Ala Gly Val Met Gly Gly Phe His Gln Glu Phe Tyr Leu Trp Phe Glu
1 5 10 15

Arg Ala Leu Ser Asn

20

<210> 542

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 542

Ala Gly His Val Gly Gln Val Tyr Asp Gly Phe Tyr Gly Trp Phe Arg
1 5 10 15

Glu Gln Leu Gly Ala

20

<210> 543

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 543

Phe Val Gln Asn Ile Gly Phe Asp Tyr Asp Phe Tyr Gly Trp Phe Val
1 5 10 15

Arg Glu Val Glu Lys

20

<210> 544

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 544

Pro Val Gly Ile Gly Gly Leu His Arg Ala Phe Tyr Gln Trp Phe Gln
1 5 10 15Ser Gln Val Asp Ala
20

<210> 545

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 545

Gly Ser Arg Gln Glu Ala Asp His Gln Ala Phe Tyr Asp Trp Phe Asn
1 5 10 15Leu Val Leu Gly Val
20

<210> 546

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 546

Ala Gly Gly Arg Lys Pro Phe His Asp Asp Phe Tyr Gly Trp Phe Arg
1 5 10 15Asp Gln Leu Ala Glu
20

<210> 547

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 547

Asp Leu Ala Ser His Gly Phe His Asp Ala Phe Tyr Asn Trp Phe Ser
1 5 10 15

Val Gln Leu Asn Ser
20

<210> 548
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 548
Gly Ser Asn Gly Gly Val His Gly Gln Phe Tyr Ala Trp Phe Val
1 5 10 15

Glu Ala Leu Ser Gly
20

<210> 549
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 549
Arg Gly Arg Ala Ser Thr Phe His Asp Gly Phe Tyr Gly Trp Phe Ser
1 5 10 15

Gln Gln Leu Arg Phe
20

<210> 550
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 550
Ser Pro Ala Arg Arg Val Ser His His Asp Phe Tyr Gly Trp Phe Ala
1 5 10 15

Lys Gln Leu Glu Ser
20

<210> 551

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 551

Ser Ser Asp Val Gly Ala Phe His Ser Ala Phe Tyr Asp Trp Phe Lys
1 5 10 15

Ala Gln Leu Ser Gly

20

<210> 552

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 552

Pro Thr Val His Arg Ala Phe Asp Asp Leu Phe Tyr Gly Trp Phe Ala
1 5 10 15

Lys Gln Val Glu Asp

20

<210> 553

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 553

Ser Ser Asn Thr Val Gly Leu Asp Glu Arg Phe Tyr Ala Trp Phe Val
1 5 10 15

Asp Gln Leu Gly Ala

20

<210> 554

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 554

Pro Gly Ala Ala Glu Gly Phe His Ser Ala Phe Tyr Asp Trp Phe Ala
1 5 10 15Gln Ala Val Ser Gly
20

<210> 555

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 555

Met Arg Ser Glu Ala Ser Phe His Val Glu Phe Tyr Ser Trp Phe Glu
1 5 10 15Glu Gln Leu Arg Ser
20

<210> 556

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 556

Val Ser Arg Tyr Gly Gly Gln Gln Asp Gly Phe Tyr His Trp Phe Ser
1 5 10 15Asp Leu Leu Lys Gly
20

<210> 557

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 557

Arg Pro Ser Ser Gly Gly Leu His Tyr Gly Phe Tyr His Trp Phe Arg
1 5 10 15

Val Gln Glu Glu Met
20

<210> 558
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 558
Ser Asn Ile Glu Glu His Phe His Met Gln Phe Tyr Arg Trp Phe Ser
1 5 10 15

Asp Ala Leu Gly Asn
20

<210> 559
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 559
Ala Asn Asp Cys Leu Gly Leu His Ala Gly Phe Tyr Gly Trp Phe Ala
1 5 10 15

Cys Gln Leu Gly Gly
20

<210> 560
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 560
Thr Gly His Arg Leu Gly Leu Asp Glu Gln Phe Tyr Trp Trp Phe Arg
1 5 10 15

Asp Ala Leu Ser Gly
20

<210> 561
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 561
Val Leu Thr Ser Asn Thr Leu His Gln Arg Phe Tyr Ser Trp Phe Ala
1 5 10 15

Ala Ala Arg Arg Glu
20

<210> 562
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 562
Cys Val Ala Gln Gly Gly Phe Gln Ser Ser Phe Tyr Cys Trp Phe Ala
1 5 10 15

Gly Leu Asp Ile Asp
20

<210> 563
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 563
Asn Gly Gln Ser Ser Arg Phe His Thr Ala Phe Tyr Asp Trp Phe Ala
1 5 10 15

Ala Gln Leu Ser Gly
20

<210> 564
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 564

Ser Val Pro Arg Gly Thr Val His Asp Ala Phe Tyr Gln Trp Phe Arg
1 5 10 15

Glu Val Ala Leu Gly
20

<210> 565

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 565

Gly Ala Arg Gly Ser Thr Phe His Asp Gln Phe Tyr Glu Trp Phe Trp
1 5 10 15

Val Gln Leu Gly Asp
20

<210> 566

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 566

Pro Pro Gly Met Asn Gly Phe His Thr Ser Phe Tyr Ser Trp Phe Val
1 5 10 15

Asp Gln Leu Gly Asp
20

<210> 567

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 567

Ala Val Gly Thr Leu Gly Tyr His Ser Gly Phe Tyr Arg Trp Phe Glu
1 5 10 15

Arg Gln Leu Gly Gly
20

<210> 568
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 568
Glu Leu Gln Ala Arg Gly Val His Arg Asn Phe Tyr Arg Trp Phe Glu
1 5 10 15

Ala Gln Val Ser Gly
20

<210> 569
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 569
His Arg Val Ala Arg Ala Phe His Glu Gln Phe Tyr Asp Trp Phe Glu
1 5 10 15

Lys Ala Val Ser Gly
20

<210> 570
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 570
Gly Ala Met Glu Pro Asp Tyr His Arg Ser Phe Tyr Gln Trp Phe Ala
1 5 10 15

Ala Ala Leu Gly Glu
20

<210> 571

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 571
Cys Pro Asp Arg Gln Ser Val Asp Asp Arg Phe Tyr Asn Trp Phe Ala
1 5 10 15
Asp Ala Leu Ala Ser
20

<210> 572
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 572
Gly Gly Ala Gln Ile Ser Phe His Glu Arg Phe Tyr Gln Trp Phe Leu
1 5 10 15
Gln Glu Ala Ala Gly
20

<210> 573
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 573
His Lys Arg Gly Ile Val Gln His Gly Ala Phe Tyr Ala Trp Phe Asp
1 5 10 15
Ser Leu Leu Ser Gly
20

<210> 574
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 574
Gln Ala Ser Asp Asn Arg Ser Asp Gly Gln Phe Tyr Leu Trp Phe Glu
1 5 10 15

Lys Leu Leu Ser Ser
20

<210> 575
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 575
Asp Arg Gly Arg Met Gly Val Asp Glu Gly Phe Tyr Asn Trp Phe Ala
1 5 10 15

Arg Gln Met Gln Glu
20

<210> 576
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 576
Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ser
20

<210> 577
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 577
Thr Ala Ser Gln Glu Cys Phe Asp Asp Gly Phe Tyr Gly Trp Phe Arg
1 5 10 15

Ala Trp Arg Cys Thr
20

<210> 578
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 578
Ser Leu Asp Trp Arg Trp Ser Glu Glu Pro Phe Tyr Arg Trp Phe Gln
1 5 10 15

Arg Ala Leu Ala Gly
20

<210> 579
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 579
Cys Met Ser Leu Ser Asp Cys His Arg Lys Phe Tyr Gly Trp Phe Lys
1 5 10 15

Ser Gln Gly Gly Glu
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<210> 580
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 580
Leu Ala Leu Cys Arg Arg Ser Pro Gly Ser Phe Tyr Gly Trp Phe Gln
1 5 10 15

Ala Ala Val Gly Cys
20

<210> 581
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 581

Pro Arg Ser Ala Thr Met Ser Asp Gly Gly Phe Tyr Trp Trp Phe Ala
1 5 10 15

Ser Gln Leu Gly Leu

20

<210> 582

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 582

Leu Arg Arg Ser Ser Val Phe His Asp Pro Phe Tyr Glu Xaa Ile Ser
1 5 10 15

Arg Leu Val Gly Gly

20

<210> 583

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 583

Ala Arg Leu Gln Gln Gln Phe His Gly Gly Phe Tyr Glu Trp Phe Arg
1 5 10 15

Ala Gln Val Ser Pro

20

<210> 584

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 584

Ala Gln Leu Asp Asn Leu Cys His Glu Pro Phe Tyr Ser Trp Phe Cys
1 5 10 15Ala Val Thr Arg Glu
20

<210> 585

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 585

Trp Thr Cys Asp Thr Ala Phe His Gln Asp Phe Tyr Gln Trp Phe Cys
1 5 10 15Asp Lys Leu Gly Val
20

<210> 586

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 586

Gly Lys Glu Gly Phe Gly Leu Asp Arg Asp Phe Tyr Trp Trp Phe Arg
1 5 10 15Glu Gln Leu Gly Pro
20

<210> 587

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 587

Gly Arg Ala Pro Ser Ser Phe Asp Cys Asp Phe Tyr Cys Trp Phe Arg
1 5 10 15

<210> 591

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 591

Gly Pro Leu Gly Asp Gly Cys Gln Asp Gly Phe Tyr Gly Trp Phe Met
1 5 10 15

Cys Gln Val Ser Thr

20

<210> 592

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 592

Lys Arg Ser Ala Tyr Asn Phe His Asp Pro Phe Tyr Asp Trp Phe Arg
1 5 10 15

Met Gln Leu Ser Gly

20

<210> 593

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 593

Ala Ser Glu Pro Gly Gly Tyr Leu Asp Pro Phe Tyr Gly Trp Phe Arg
1 5 10 15

Glu Gln Leu Arg Ala

20

<210> 594

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 594

Asn Arg Gly Asp Gly Gly Val His Ser Gly Phe Tyr Asn Trp Phe Arg
1 5 10 15

Leu Gln Leu Ser Gly
20

<210> 595

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 595

Ala Ser Lys Gly Ser Ser Leu His Asn Asp Phe Tyr Gly Trp Phe Ala
1 5 10 15

Gln Gln Leu Ala Arg
20

<210> 596

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 596

Ala Asn Val Ser Met Trp Ile Gln Val Gly Phe Tyr Asp Trp Phe Asp
1 5 10 15

Ala Gln Leu Arg Gln
20

<210> 597

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 597

Arg Thr Ser Pro Gly Ser Leu His Asp Pro Phe Tyr Asp Trp Phe Gln
1 5 10 15

Gln Gln Leu Gly Gly
20

<210> 598
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 598
Pro Gly Val Met Ser Ser Phe His Gly Gly Phe Tyr Ser Trp Phe Arg
1 5 10 15

Glu Gln Leu Asn Gly
20

<210> 599
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 599
Cys Leu Ala Asn Ser Glu Asp His Asp Ser Phe Tyr Gly Trp Phe Cys
1 5 10 15

Gln Ala Leu Gly Gly
20

<210> 600
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 600
Gly Gly Ser Met Gly Gly Met His Gly Ser Phe Tyr Glu Trp Phe Ala
1 5 10 15

Leu Gln Leu Arg Ser
20

<210> 601

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 601
Arg Pro Gln Gly Gly Ser Ile His Ala Gly Phe Tyr Gln Trp Phe Arg
1 5 10 15

Asp Ala Val Ala Gly
20

<210> 602
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 602
Gly Ala Leu Ser Ser Leu Phe Asp Ala Ala Phe Tyr Asp Trp Phe Asn
1 5 10 15

Arg Gln Leu Glu Gly
20

<210> 603
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 603
Lys Val Asp Leu Arg Gly Phe His Asp Gly Phe Tyr Gly Trp Phe Ala
1 5 10 15

Arg Gln Leu Ala Gly
20

<210> 604
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

Asp Gln Leu Gly Leu
20

<210> 608
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 608
Ser Val Phe Met Gln His Asp His Val Gly Phe Tyr Ala Trp Phe Arg
1 5 10 15

Ser Leu Met Glu Glu
20

<210> 609
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 609
Phe Arg His Ile Thr Glu Val Asp Arg Ser Phe Tyr Gly Trp Phe Val
1 5 10 15

Glu Gln Leu Arg Gly
20

<210> 610
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 610
Trp Ala Gly Gly Ser Asp Val Asp Gly Ser Phe Tyr Asp Trp Phe Gln
1 5 10 15

Arg Leu Leu Ala Ser
20

<210> 611
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 611
Gly Leu Gln Asn Val Ser Phe His Ser Gly Phe Tyr Glu Trp Phe Ala
1 5 10 15
Arg Gln Val Ser Gln
20

<210> 612
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 612
Ser Arg Val Ser Asp Pro Tyr His Val Gly Phe Tyr Gln Trp Phe Glu
1 5 10 15
Glu Val Val Arg Gly
20

<210> 613
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 613
Met Gly Gly Ala Thr Phe Phe His Thr Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15
Ala Gln Leu Gln His
20

<210> 614
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 614

Arg Pro Ala Ser Arg Pro Phe His Ser Gly Phe Tyr Gln Trp Phe Ala
1 5 10 15

Asp Gln Leu Ser His

20

<210> 615

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 615

Gly Leu Ala Pro Gly Asn Phe His Glu Asp Phe Tyr Arg Trp Phe Gln
1 5 10 15

Glu Gln Thr Leu Gly

20

<210> 616

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 616

Thr Ala Ala Ile Ser Asp Phe Asn Ser Leu Phe Tyr Gly Trp Phe Glu
1 5 10 15

Gln Leu Leu Ser Ser

20

<210> 617

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 617

Leu Asp Glu Asp Leu Pro Gln His Ala Gly Phe Tyr Gly Trp Phe Ala
1 5 10 15

Glu Ala Leu Gly Val

20

<210> 618

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 618

Ala Ser His Lys Ser Ala Phe Asp Asp Asn Phe Tyr Arg Trp Phe Ser
1 5 10 15

Met Gln Leu Arg Asp

20

<210> 619

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 619

His Thr Gly Ala Gly Asp Leu His Gly Ala Phe Tyr Asn Trp Phe Leu
1 5 10 15

Glu Gln Leu Gly Gly

20

<210> 620

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 620

Arg Arg Gly Arg Asp Gly Phe His Gly Gly Phe Tyr Asp Trp Phe Ala
1 5 10 15

Ala Gln Leu Ser Asp

20

<210> 621

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 621

Gly Asn Phe Arg Glu Ala Phe His Ala Asp Phe Tyr Ser Trp Phe Glu
1 5 10 15

Arg Gln Leu Gln Ser
20

<210> 622

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 622

Arg Asp Thr Leu Pro Ala Phe His Gln His Phe Tyr Gln Trp Phe Glu
1 5 10 15

Lys Gln Val Ser Ala
20

<210> 623

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 623

Glu Arg Glu Thr Ala Ala Phe Gly Gln Ala Phe Tyr Gln Trp Phe Arg
1 5 10 15

Asp Gln Ile Ala Gly
20

<210> 624

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 624
Trp Gly Glu Gly Gly Phe Tyr Asp Trp Phe Tyr Asp Gln Leu Gly
1 5 10 15

Trp Glu Pro Ser His
20

<210> 625
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 625
Ser Leu Val Ala Ala Asp Leu His Glu Gly Phe Tyr Gly Trp Phe Arg
1 5 10 15

Ser Gln Leu Gly Gly
20

<210> 626
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 626
Thr Ser Glu Val Gly Asp Phe His Ala Glu Phe Tyr Ser Trp Phe Glu
1 5 10 15

Ile Gln Leu Gly Arg
20

<210> 627
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 627
Thr Gly Ala Asp Gly Leu Leu His Ala Arg Phe Tyr Ala Trp Phe Glu
1 5 10 15

Glu Gln Leu Arg Glu
20

<210> 628

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 628

Arg Arg Ser Asp Ser Ser Leu His Arg Ser Phe Tyr Asp Trp Phe Ser
1 5 10 15

Val Gln Leu Leu Asn

20

<210> 629

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 629

Ser Glu Ser Lys Tyr Leu Leu His Ser Gly Phe Tyr Gly Trp Phe Glu
1 5 10 15

Ala Gln Leu Arg Gly

20

<210> 630

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 630

His Gly Val Ile Arg Ala Asp His Thr Gly Phe Tyr Gly Trp Phe Ser
1 5 10 15

Lys Gln Leu Ser Asp

20

<210> 631

<211> 21

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 631
Leu Ile Asn Ala Gln Val Phe Arg Arg Gly Phe Tyr Ala Trp Phe Glu
1 5 10 15

Glu Gln Val Ser Lys
20

<210> 632
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 632
Leu Gln Arg Tyr Ile Gly Phe His Asp Pro Phe Tyr Asp Trp Phe Ser
1 5 10 15

Arg Ala Leu Ser Gly
20

<210> 633
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 633
Met Arg Thr Ala Glu Leu Phe His Val Gly Phe Tyr Asp Trp Phe Asp
1 5 10 15

Ala Gln Leu Met Asp
20

<210> 634
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 634

Trp Ala Pro Pro Asp Ala Leu His Gly Gln Phe Tyr Arg Trp Phe Gln
 1 5 10 15

Arg Gln Leu Asp Gln
 20

<210> 635
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 635
Ala Val His Ala Ala Thr Phe His Asp Asp Phe Tyr Arg Trp Phe Glu
 1 5 10 15

Gln Val Val Gly Ser
 20

<210> 636
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 636
Phe Asp Ala Val His Gly Phe Asp Gly Gly Phe Tyr Gly Trp Phe Lys
 1 5 10 15

Arg Glu Leu Gln Arg
 20

<210> 637
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 637
Gln Ala Gly Gly Met Glu Phe His Gly Ala Phe Tyr Asn Trp Phe Leu
 1 5 10 15

Gln Gln Leu Ser Gly
 20

<210> 638

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 638

Gly Arg Ser Val Ser Arg Met Asn Ala Glu Phe Tyr Gln Trp Phe Gly
1 5 10 15

His Gln Leu Ala Ala

20

<210> 639

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 639

Ala Ala Val Asn Ser Leu Phe His Asp Glu Phe Tyr Leu Trp Phe Gln
1 5 10 15

Asp Gln Leu Asp Gly

20

<210> 640

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 640

Gln Leu Gly Met Asp Trp Phe His Ala Asp Phe Tyr Glu Trp Phe Leu
1 5 10 15

Ala Gln Leu Pro Ser

20

<210> 641

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 641

Arg Leu Ala Gly Ser Gly Ile His Glu Gly Phe Tyr Gly Trp Phe Val
1 5 10 15Asp Gln Leu Leu Ala
20

<210> 642

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 642

Gly Arg Glu Ile Gly Gly Val His Asp Gly Phe Tyr Asp Trp Phe Arg
1 5 10 15Gln Gln Ser Glu Gln
20

<210> 643

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 643

Val Arg Ser Glu Gln Arg Phe Asp Ser Ser Phe Tyr Gln Trp Phe Asn
1 5 10 15Asp Leu Leu Met Ser
20

<210> 644

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 644

Gln Ser Pro Tyr Gly Phe Phe His Asp Gly Phe Tyr Arg Trp Phe Leu
1 5 10 15

Gln Gln Thr Gly Met
20

<210> 645
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 645
Phe Gln Cys Gly Ala Ala Phe His Val Asp Phe Tyr Arg Trp Phe Thr
1 5 10 15

Cys Gln Glu Gln Phe
20

<210> 646
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 646
Gly Ala Phe Gly Ser Glu Phe His Glu Gln Phe Tyr Arg Trp Phe Glu
1 5 10 15

Asp Ala Leu Ser Phe
20

<210> 647
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 647
Glu His Thr Ser Tyr Gln Ile His Arg Gln Phe Tyr Glu Trp Phe Asp
1 5 10 15

Arg Ala Leu Gly Arg
20

<210> 648

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 648

Ser Gly Thr Ala Ala Asp Leu His Ser Arg Phe Tyr Gly Trp Phe Ala
1 5 10 15

Leu Gln Ala Arg Glu

20

<210> 649

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 649

Glu Gly Phe Gly Val Leu Phe His Gly Gln Phe Tyr Arg Trp Phe Gln
1 5 10 15

Leu Gln Leu Asp Gly

20

<210> 650

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 650

Gln Gln Ser Ala Gly His Pro His Ser Ser Phe Tyr Leu Trp Phe Ser
1 5 10 15

Glu Leu Leu Gly Ala

20

<210> 651

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 651

Tyr Leu Gln Arg Ala Gly Phe His Arg Ser Phe Tyr Gly Trp Phe Asp
1 5 10 15

Gln Ala Leu Arg Asp
20

<210> 652

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 652

Met Trp Leu Trp Ala Thr Leu His Ser Asp Phe Tyr Ser Trp Phe Glu
1 5 10 15

Gln Val Val Ser Gly
20

<210> 653

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 653

Gly Ala Asn Ala Leu Gly Phe Lys Asp Arg Phe Tyr Glu Trp Phe Ala
1 5 10 15

Ala Gln Leu Trp Asp
20

<210> 654

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 654

Gly Ser Gly Leu Tyr Val Phe His Trp Gly Phe Tyr Asp Trp Phe Glu
1 5 10 15

Gln Gln Met Gly Gly
20

<210> 655
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 655
Leu Asp Lys Gly Trp Gly Phe Asp Leu Gln Phe Tyr Arg Trp Phe Glu
1 5 10 15

Ala Ala Thr Arg Ala
20

<210> 656
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 656
Gln Arg Ser Ala Val Glu Phe His Ala Asp Phe Tyr Asp Trp Phe Leu
1 5 10 15

Arg Leu Leu Thr Pro
20

<210> 657
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 657
Asp Gln Arg Met Gly Ser Phe His Gly Glu Phe Tyr Arg Trp Phe Glu
1 5 10 15

Glu Thr Leu Leu Ser
20

<210> 658

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 658

Gly Arg Phe Tyr Gly Trp Phe Gln Asp Ala Ile Asp Gln Leu Met Pro
1 5 10 15

Trp Gly Phe Asp Pro
20

<210> 659
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 659

Ile Gln Gly Trp Glu Pro Phe Tyr Gly Trp Phe Asp Asp Val Val Ala
1 5 10 15

Gln Met Phe Glu Glu
20

<210> 660
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 660

Arg Tyr Gly Arg Trp Gly Leu Ala Gln Gln Phe Tyr Asp Trp Phe Asp
1 5 10 15

Arg

<210> 661
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 661
 Arg Gly Arg Leu Gly Ser Leu Ser Thr Gln Phe Tyr Asn Trp Phe Ala
 1 5 10 15

Glu

<210> 662
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 662
 Ala Ser Ala Tyr Thr Pro Phe Tyr Gln Trp Phe Ala Asp Val Val Ser
 1 5 10 15

Glu Tyr Met Gln Gln
 20

<210> 663
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 663
 Pro Tyr Arg Met Glu Gly Thr Glu Lys Trp Asn Phe Tyr Asp Trp Phe
 1 5 10 15

Val Ala Gln Leu Gln
 20

<210> 664
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 664
 Ser Ala Val His Phe Gln Phe Tyr Lys Trp Phe Asp Asn Leu Leu Pro
 1 5 10 15

Val Pro Leu Ser Ala
20

<210> 665
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 665
Val Pro Val Asn Lys Ser Phe Tyr Arg Trp Phe Gln Leu Val Leu Gly
1 5 10 15

Gly Ser Asp Asp Trp
20

<210> 666
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 666
Gln Ser Pro Arg Ala Ser Phe Tyr Gly Trp Phe Asp Asp Val Leu Arg
1 5 10 15

Ala Ala Gly Val Val
20

<210> 667
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 667
Thr Gly Phe Tyr Glu Trp Phe Tyr Glu Gln Leu His Ser Arg Met Leu
1 5 10 15

Pro Asn Pro Leu Asp
20

<210> 668
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 668
Arg Arg Gly Val Gly Gly Phe Tyr Gly Trp Phe Ser Gln Gln Leu Gln
1 5 10 15

Gly Met Gly Val Ala
20

<210> 669
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 669
Ser Ser Gln Asp Arg Arg Phe Tyr Arg Trp Phe Glu Gln Ala Ile Val
1 5 10 15

Gly Gly Arg Asp Gly
20

<210> 670
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 670
Thr Arg Gly Gln Leu Gly Phe Tyr Asn Trp Phe Gln Gln Ala Leu Ser
1 5 10 15

Thr Ser Gly Met Gly
20

<210> 671
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 671
Cys Ala Asp Leu Asn Ala Phe Tyr Gln Trp Phe Cys Gly Val Leu Asp
1 5 10 15

Arg Gly Ser Asp His
20

<210> 672
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 672
Thr Leu Ile Gln Asp Gln Phe Tyr Trp Trp Phe Ser Asp Leu Leu Ser
1 5 10 15

Ala Glu Pro Gly Asp
20

<210> 673
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 673
Ile Asp Gln Leu Asp Ala Phe Tyr Arg Trp Phe Asp Gly Val Met Leu
1 5 10 15

Gly Met Gly Asp Pro
20

<210> 674
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 674
Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
1 5 10 15

His Gly Ala Gly
20

<210> 675

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 675

Arg Gly Leu Asp Gln Asp Phe Tyr Arg Trp Phe Gln Asn Leu Val Gly
1 5 10 15

Val Glu Tyr Asp Arg

20

<210> 676

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 676

Met Gin Gly His Arg Gly Phe Tyr Gly Trp Phe Ala Arg Val Leu Glu
1 5 10 15

Gln Asp Arg Gly Trp

20

<210> 677

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 677

Glu Arg Leu His Leu Arg Phe Tyr Glu Trp Phe Asp Thr Val Ile Gly
1 5 10 15

Gln Asp Gly Ser Asp

20

<210> 678

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 678

Met His Val Gln Ser Asp Phe Tyr His Trp Phe Gln Ser Leu Leu Gly
1 5 10 15

Gln Gly Gly Pro Asp
20

<210> 679

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 679

Thr Met Gly Thr Gln Gly Phe Tyr Arg Trp Phe Gln Asn Val Val Lys
1 5 10 15

Glu His Leu Ser Gly
20

<210> 680

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 680

Ile Thr His Asn Arg Gly Phe Tyr Ser Trp Phe Leu Asp Val Val Gln
1 5 10 15

Gly Gly Ala Gly Ala
20

<210> 681

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 681

Val Arg Arg Asp Ala Gly Phe Tyr Gln Trp Phe Ala Asp Ile Leu Thr
1 5 10 15

Gln Leu Asp Phe Glu
20

<210> 682

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 682

Met Gln Leu Gln Asp Glu Phe Tyr Asn Trp Phe Arg Gly Ile Met Leu
1 5 10 15

Asn Asp Gly Gln Asp
20

<210> 683

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 683

Gly Ile Arg Ser Ser Gly Phe Tyr Gln Trp Phe Asp Arg Val Leu Ala
1 5 10 15

Gly Val Gly Asp Gly
20

<210> 684

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 684

Ala Asn Leu Asn Ser Gln Phe Tyr Ser Trp Phe Ala Ser Val Thr Gly
1 5 10 15

Glu Ala Ser Pro Ser
20

<210> 685
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 685
Gln Ser Pro Arg Ala Ser Phe Tyr Gly Trp Phe Asp Asp Val Leu Arg
1 5 10 15

Ala Ala Gly Val Val
20

<210> 686
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 686
Met Gln Arg Asn Gln Gly Phe Tyr Ser Trp Phe Asp Asp Leu Val Ser
1 5 10 15

Ser Thr Val Gly Val
20

<210> 687
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 687
Ala Ser Gly Phe Asp Pro Phe Tyr Ala Trp Phe Leu Glu Gln Leu Arg
1 5 10 15

Val Ala Asn Gly Ser
20

<210> 688
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 688

Ser Gly Thr Pro Tyr Gly Phe Tyr Arg Trp Phe Gln Ser Ala Leu Ala
1 5 10 15

Ser Ala Thr Ser Gly

20

<210> 689

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 689

Gln Gly Val Glu Gly Gly Phe Tyr Glu Trp Phe Asp Arg Ala Met Gly
1 5 10 15

Asp Val Arg Pro Trp

20

<210> 690

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 690

Asp Asn Met Ser Gly Gly Phe Tyr Arg Trp Phe Ala Gln Val Val Ala
1 5 10 15

Asp Ser Gly Gly Asp

20

<210> 691

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 691

Arg Gly Thr Asp Asp Thr Phe Tyr Gly Trp Phe Asp Gln Leu Leu Gln
1 5 10 15

Gly Trp Cys Asp Asp
20

<210> 692
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 692
Thr Val Asp His Thr Gln Phe Tyr Asp Trp Phe Ser Arg Val Leu Gly
1 5 10 15

Glu Ser Gly Ser Ala
20

<210> 693
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 693
Gly Arg Gln Asp Arg Glu Phe Tyr Tyr Trp Phe Glu Leu Gln Ala Gly
1 5 10 15

Gly Met Asp Gly Asp
20

<210> 694
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 694
Arg Leu Leu Leu Gly Gly Phe Tyr Glu Trp Phe Asp Gln Val Leu Lys
1 5 10 15

Glu Thr Lys Glu Val
20

<210> 695

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 695

Gly Val Leu Ser Thr Gly Phe Tyr Glu Trp Phe Ala Leu Gln Leu His
1 5 10 15

Gly Leu Ala Ala Gly

20

<210> 696

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 696

Pro Ala Val Gly Gln Ser Phe Tyr Gly Trp Phe Glu Ala Val Leu Arg
1 5 10 15

Gly Ser Lys Ala Gly

20

<210> 697

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 697

Ser Asn Gly Ile Ser Gly Phe Tyr Glu Trp Phe Ala Ala Gln Val Gln
1 5 10 15

Thr Ser Asp Phe Gln

20

<210> 698

<211> 21

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 698
Leu Leu Gly Leu Ser Gln Ala Ala Tyr Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ser Gln Leu Ala
20

<210> 699
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 699
Val Pro Asn Ser Trp Met Phe Tyr Asn Trp Phe Ala Glu Gln Ile Glu
1 5 10 15

Gly Ser Glu Gly Glu
20

<210> 700
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 700
Ala Arg Arg Ala Asp Gly Phe Tyr Asp Trp Phe Arg Glu Gln Val Ser
1 5 10 15

Gly Ser Ala Val Gln
20

<210> 701
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 701
Gly Val Val Glu Gly Thr Phe Tyr Glu Trp Phe Asp Arg Leu Leu Gly
1 5 10 15

Gly Val Gln Gly Asp
20

<210> 702
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 702
Ser His Leu Thr Asp Pro Phe Tyr Gln Trp Phe Val Asp Gln Leu Arg
1 5 10 15

Ala Gly Val Arg Gly
20

<210> 703
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 703
Arg Ser Asn Asp Asp Ala Phe Tyr Arg Trp Phe Ser Asn Ile Leu Gln
1 5 10 15

Val Asp Gly Gly Gly
20

<210> 704
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 704
Asp Ser Asp Gly Ala Gln Phe Tyr Ile Trp Phe Glu Asp Gln Leu Arg
1 5 10 15

Ser Ala Gly Trp Asp
20

<210> 705

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 705

Pro Gly Leu His Arg Ala Phe Tyr Gln Trp Phe Ala Glu Ala Val Arg
1 5 10 15

Ser Ala Asn Lys Glu

20

<210> 706

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 706

Ser Leu Gly Gln Gly Gly Phe Tyr Asp Trp Phe Ala Ser Gln Val Gly
1 5 10 15

Gly Ala Asp Ile

20

<210> 707

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 707

Cys Gly Gln Thr Gln Ser Phe Tyr Gln Trp Phe Cys Glu Val Met Arg
1 5 10 15

Val Glu Ser Gly Asp

20

<210> 708

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 708

Ile Val Val Pro Gly Asp Thr Gln Gly Val Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Lys Gln Leu Gln
20

<210> 709

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 709

Arg Asp Val Ser Met Gly Ser Ala Ser Thr Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Gln Gln Leu Gly
20

<210> 710

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 710

Ser Gln Ala Gly Ser Ala Phe Tyr Ala Trp Phe Asp Gln Val Leu Arg
1 5 10 15

Thr Val His Ser Ala
20

<210> 711

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 711

Ser Asn Gly Ile Ser Gly Phe Tyr Glu Trp Phe Ala Ala Gln Val Gln
1 5 10 15

Thr Ser Asp Phe Gln
20

<210> 712
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 712
Arg Arg Asp Arg Gly Gly Leu Asp Val Phe Phe Tyr Gln Trp Phe Met
1 5 10 15

Asp

<210> 713
<211> 41
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 713
Arg Tyr Phe Pro Phe Gly Gly Phe Tyr Gly Asn Leu Asp Val Leu Arg
1 5 10 15

Trp Leu Arg Pro Tyr Val Ala Ser Pro Arg Trp Gly His Trp Arg Pro
20 25 30

Gly Gly Ser Leu Gly Lys Gln Pro Thr
35 40

<210> 714
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 714
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 715
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 715

Arg His Leu Thr Asn Ala Glu Leu Gly Val Gln Ser Pro Glu Val Leu
1 5 10 15

Leu Val Arg Gly Met Gly Pro Pro
35 40

<210> 716.
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 716
Arg Gly Gly Met Asp Arg Gln Trp Leu Asp Val Gly Ala Arg His Arg
1 5 10 15
Leu Glu Arg Arg Ser Val Gln Asp Asn Thr Asp Asp Phe Tyr Gly Gly
20 25 30

35 40

<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 717
Gly Pro Pro Asp Ser Phe Asp Val Thr Glu Lys Gly Asp Met Ala Ile
1 5 10 15

Leu Asn Val Arg Phe Asp Pro His Ser Leu Asp Phe Asn Asp Gln Thr
20 25 30

Phe Tyr Phe Leu Leu Asp Ser Leu
35 40

<210> 718
<211> 35
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 718
Gly Gly Thr Tyr Phe Arg Gly Gln Val Ala Gln Ser Asn Glu Ser Leu
1 5 10 15

Leu Arg Val Asn Phe Leu Gln Leu Leu Glu Ala Leu Ala Ala Ser Pro
20 25 30

Pro Arg Thr
35

<210> 719
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 719

Ala Pro Phe Asp Ala Arg Leu Ser Ala Pro Arg Phe Gln Trp Ser Pro
 1 .5 10 15

Arg Thr Trp Xaa Gln Ser Leu Ser Tyr Gly Glu Trp Ser Cys Gly Ser
20 25 30

Phe Tyr Asp Cys Leu Ser Ser Ile
35 40

<210> 720
<211> 40
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 720

Met Gly Ser Ser Gln Phe Gln Asp Thr Arg Pro Ser Ser Gly Gln Ala
1 5 10 15

Tyr Ser His Ser Leu Asp Ser Asp Gly Trp Gly Thr Ala Asn Trp Ile
20 25 30

Phe Leu Arg Ala Leu Glu Gly Leu
35 40

<210> 721

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 721

Ser Gly Ala Ala His Glu Gly Asn Gln Gly Arg Glu Arg Ser Thr His
1 5 10 15

Leu Ala Ala Asn Ile Asn Asp His Leu Pro Gly Asp Ala Gly Ile Trp
20 25 30

Leu Gly Tyr Ser Trp Leu Ser
35

<210> 722

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 722

Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val Gly Ala Val Tyr
1 5 10 15

Gly Ala Trp Asp
20

<210> 723

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 723

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
1 5 10 15

Gly Thr Arg Asp
20

<210> 724

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 724

Arg Leu Phe Tyr Cys Gly Ile Gln Ala Leu Gly Ala Asn Leu Gly Tyr
1 5 10 15

Ser Gly Cys Val
20

<210> 725

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 725

Phe Tyr Ser Ala Leu Trp Gly Leu Cys Gly Val Thr Gly Cys Gly
1 5 10 15

<210> 726

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 726

Arg Gly Gln Ser Asp Ala Phe Tyr Ser Gly Leu Trp Ala Leu Ile Gly
1 5 10 15

Leu Ser Asp Gly
20

<210> 727

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 727

Gly Phe Tyr Glu Leu Leu Gly Ala Leu Val Gly Glu Arg Val Arg Gly
1 5 10 15

Thr Gly Asn Ser

20

<210> 728

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 728

Glu Arg Thr Asp Pro Phe Tyr Lys Ala Leu Leu Ser Leu Leu Gly Gly
1 5 10 15

Asp Gly Ser Gly

20

<210> 729

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 729

Asp Val Gln Gly Asn Gly Ser Ser Gly Phe Tyr Asp Gly Ile Phe Gly
1 5 10 15

Leu Ala Trp Gly

20

<210> 730

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 730

Pro Phe Tyr Val Trp Ile Arg Asp Leu Leu Gly Pro Glu Leu Pro His
1 5 10 15Thr Arg Gly Asp
20

<210> 731

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 731

Val Leu Val Val Gly Gly Pro Leu Asp Pro Phe Tyr Glu Gly Leu His
1 5 10 15Arg Leu Ile Ser
20

<210> 732

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 732

Gly Phe Tyr Arg Leu Leu Asn Glu Leu Val Arg Glu Gly Gly Ala Leu
1 5 10 15Lys Val Gly Ala
20

<210> 733

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 733

Gly Gln Arg Gly Phe Tyr Glu Leu Leu Ser Glu Leu Leu Gly His Glu
1 5 10 15

Gly Gly Val Phe
20

<210> 734
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 734
Asp Trp Val Ser Gly Pro Phe Tyr Arg Gly Ile Glu Leu Leu Ser Gly
1 5 10 15

Phe Gln Ile Glu
20

<210> 735
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 735
Gly Gly Ser Leu Phe Tyr Glu Gly Leu Leu Arg Leu Val Leu Gly Asp
1 5 10 15

Ser Val Val Gly
20

<210> 736
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 736
Leu Asn His Phe Tyr Ala Met Leu Ser Asp Leu Ser Gly Val Arg Asn
1 5 10 15

Ile Phe Pro Gly
20

<210> 737

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 737

Leu Ser Gly Phe Tyr Glu Gly Leu Phe Arg Leu Ala Arg Arg Asp Gly
1 5 10 15

Ser Gly Trp Gly

20

<210> 738

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 738

Phe Tyr Asp Val Leu Ser Ala Leu Val Gly Val Glu Leu Gly Glu Gln
1 5 10 15

Gly Asp Ala Ser

20

<210> 739

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 739

Gly Ala Gly Ser Phe Gly Arg Glu Gly Gly Phe Tyr Glu Ala Leu Met
1 5 10 15

Gln Leu Ala Gly

20

<210> 740

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 740

Asp Asp Glu Phe Tyr Ser Gln Ile Leu Lys Leu Val Asp Gly Ser Arg
1 5 10 15Gly Gly Arg Ser Gly Thr Gln Asn
20

<210> 741

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 741

Pro Phe Tyr Met Leu Leu Ser Arg Leu Val Gly Gly Val Glu Gln Glu
1 5 10 15

Gly Gly Leu

<210> 742

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 742

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
1 5 10 15Gly Thr Arg Asp
20

<210> 743

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 743

Thr Phe Tyr Ser Cys Leu Ala Ser Leu Leu Thr Gly Thr Pro Gln Pro
1 5 10 15

Asn Arg Gly Pro Trp Glu Arg Cys Arg
20 25

<210> 744
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 744
Phe Phe Tyr Asp Cys Leu Ala Ala Leu Leu Gln Gly Val Ala Arg Tyr
1 5 10 15

His Asp Leu Cys Ala Val Glu Ile Thr
20 25

<210> 745
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 745
Asp Arg Asp Phe Cys Arg Phe Tyr Glu Arg Leu Thr Ala Leu Val Gly
1 5 10 15

Gly Gln Val Asp Gly Gly Trp Pro Cys
20 25

<210> 746
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 746
Ser Ser Tyr Gly Cys Asp Gly Phe Tyr Leu Met Leu Phe Ser Leu Gly
1 5 10 15

Leu Val Ala Ser Gln Glu Leu Glu Cys
20 25

<210> 747

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 747

Gln Phe Tyr Gly Cys Leu Leu Asp Leu Ser Leu Gly Val Pro Ser Phe
1 5 10 15

Gly Trp Arg Arg Arg Cys Ile Thr Ala
20 25

<210> 748

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 748

Phe Phe Tyr Arg Cys Leu Ser Arg Leu Leu Gly Gly Gln Leu Gly Ser
1 5 10 15

Arg Leu Gly Leu Ser Cys Ile Gly Asp
20 25

<210> 749

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 749

Asp Leu Phe Tyr Cys Met Met Gln Leu Ala Thr Ala Gly Val Gly
1 5 10 15

Gly Ser Leu Gly Gly Pro Val Cys Gly
20 25

<210> 750

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 750

Cys Asp Phe Tyr Cys Ala Leu Ser Arg Leu Ser Gly Gln Pro Arg Asp
1 5 10 15

Arg Met Pro Asn Tyr Pro Gly Thr Ser
20 25

<210> 751

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 751

Gly Ser Ala Cys Asp Gly Phe Tyr Ala Cys Leu His Ala Leu Val Gln
1 5 10 15

Gly Pro Gly Glu Trp
20

<210> 752

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 752

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 753

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 753

Ala Asn Leu Arg Leu Arg Xaa Val Gly Asn Arg Leu Xaa Ser Val Trp
1 5 10 15Pro Gly Glu Gln Trp Asn Thr Val Asp Pro Xaa Tyr Gln Lys Leu Tyr
20 25 30Glu Leu Val Arg Glu Ser Gly Ala
35 40

<210> 754

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 754

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15Pro Gly Glu His Trp Asn Ile Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30Glu Leu Leu Arg Glu Ser Gly Asp
35 40

<210> 755

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 755

Ala Glu Thr Pro Ala His Val Cys Xaa Thr Val Gly Gly Leu Phe Gly
1 5 10 15Arg Val Asn Thr Trp Asn Thr Val Asp Pro Phe Tyr Ala Lys Leu Ser
20 25 30Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 756
 <211> 41
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 756
 Gly Gln Asn Ser Gly Ser Ala Trp Asp Gly Ile Ser Leu Trp Ser Val
 1 5 10 15

Trp Pro Gly Asp Val Trp Asn Pro Val Asp Pro Phe Tyr His Lys Leu
 20 25 30

Ser Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 757
 <211> 37
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 757
 Ala Glu Ala Pro Ala Gln Val Gly Trp Asn Leu Leu Gln Pro Gly Glu
 1 5 10 15

His Trp Ile Thr Val Asp Pro Phe Tyr Asn Lys Leu Ser Glu Leu Leu
 20 25 30

Arg Glu Ser Gly Ala
 35

<210> 758
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 758
 Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Gly Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Asp Gly
35 40

<210> 759

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 759

Ala Glu Thr Pro Ala Gln Val Gly Gln Asn Gly Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Phe
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 760

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 760

Ala Glu Thr Pro Ala Gln Val Gly Gln Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu Leu Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 761

<211> 37

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 761
 Thr Xaa Gln Gly Glu Thr Pro Ala Gln Val Ser Leu Trp Pro Gly Glu
 1 5 10 15

His Trp Asn Thr Val Asp Pro Phe Tyr His Arg Leu Ser Glu Leu Leu
 20 25 30

Arg Glu Ser Gly Ala
 35

<210> 762

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 762

Gln Gly Glu Thr Pro Ala Gln Ile Gly Trp Asn Pro Leu Trp Ser Gly
 1 5 10 15

Trp Pro Gly Glu His Trp Asn Thr Leu Asp Pro Phe Tyr Arg Lys Leu
 20 25 30

Ser Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 763

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 763

Val Asp Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Gly
 1 5 10 15

Pro Gly Glu His Trp Tyr Thr Asp Asp Pro Phe Tyr His Xaa Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 764

<211> 40

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 764
 Ala Glu Thr Ser Ala Gln Val Gly Trp Gln Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Asp His Trp Ser Thr Leu Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 765
 <211> 39
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 765
 Xaa Asn Ser Pro Arg Val Gly Trp Asn Gly Leu Trp Ser Val Trp Pro
 1 5 10 15

Gly Glu His Trp Asn Thr Trp Asp Pro Phe Tyr Asn Lys Leu Ser Glu
 20 25 30

Leu Leu Arg Glu Ser Gly Val
 35

<210> 766
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 766
 Ala Glu Thr Pro Ala Gln Ile Gly Trp Asn Arg Leu Gln Ser Val Trp
 1 5 10 15

Pro Gly Glu Tyr Trp Asn Thr Val Asp Pro Phe Tyr Leu Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Ser Pro
 35 40

<210> 767
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 767
 Ala Asp Thr Pro Ala Gln Val Ser Gly Asn Arg Leu Gln Ser Val Trp
 1 5 10 15

Arg Gly Asp Pro Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 768
 <211> 40
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 768
 Ala Gly Thr Pro Ala Gln Val Gly Xaa Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 769
 <211> 32
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 769

Asp Xaa Gln Ala Trp Ser Val Trp Pro Gly Gln His Trp Asn Thr Ile
1 5 10 15

Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Leu Arg Glu Ser Gly Ala
20 25 30

<210> 770

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 770

Ala Glu Thr Leu Ala Arg Val Gly Trp Asn Arg Met Gln Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 771

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 771

Ala Ala Thr Arg Pro Gln Val Gly Trp Asn Arg Val Trp Ser Val Gln
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ser
35 40

<210> 772

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 772
Leu Thr Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Val Trp
1 5 10 15
Pro Gly Glu His Trp Asn Ser Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30
Glu Leu Leu Gly Glu Ser Gly Ala
35 40

<210> 773
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 773
Ala Asp Asn Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15
Pro Val Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30
Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 774
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 774
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Asp Trp
1 5 10 15
Pro Gly Gly His Trp Asn Thr Leu Asp Pro Phe Tyr His Lys Leu Ser
20 25 30
Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 775

<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 775
Ala Glu Thr Ser Val Gln Val Gly Trp Ile Arg Leu Gln Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Gly Ser Gly Ala
35 40

<210> 776
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 776
Gly Xaa Asn Ser Ala His Val Gly Trp Asn Arg Leu Trp Ser Phe Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Glu Lys Leu Ser
20 25 30

Glu Leu Leu Arg Val Ser Gly Gly
35 40

<210> 777
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 777
Ala Glu Thr Pro Ala Gln Val Gly Gly Asp Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Xaa Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 778
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 778
Ala Glu Xaa Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu Xaa Trp Asn Thr Val Asp Pro Phe Tyr Leu Lys Leu Ser
20 25 30

Glu Leu Leu Xaa Glu Ser Gly Ala
35 40

<210> 779
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 779
Ala Glu Thr Xaa Ala Gln Val Gly Trp Asn Gly Xaa Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr Tyr Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 780
<211> 40
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 780

Ala Glu Thr Pro Ala Gln Val Gln Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Lys Asp His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 781

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 781

Ala Glu Thr Arg Ala Gln Val Gly Ser Asn Arg Val Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 782

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 782

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Gln
1 5 10 15

Pro Gly Ser Asp Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 783
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 783
Asp Glu Thr Ser Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Asp Trp
1 5 10 15

Pro Gly Glu Gln Trp Asn Thr Leu Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 784
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 784
Gly Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Ala Glu His Trp Ser Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 785
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 785
Ala Glu Thr Ala Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Ser Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala

<210> 786

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 786

Ala	Glu	Ala	Pro	Asp	Gln	Val	Gly	Gln	Asn	Arg	Leu	Trp	Ser	Val	Trp
1					5				10					15	

Pro	Gly	Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	Asp	Lys	Leu	Ser
					20			25					30		

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala								
					35			40							

<210> 787

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 787

Pro	Glu	Thr	Pro	Ala	Gln	Val	Gly	Gly	Asn	Arg	Leu	Gln	Ser	Gly	Trp
1					5				10				15		

Pro	Gly	Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
					20			25					30		

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala							
					35			40						

<210> 788

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 788

Ala	Gln	Thr	Pro	Ala	Gln	Val	Gly	Trp	Asn	Tyr	Arg	Leu	Ser	Ser	Val
1					5				10				15		

Trp	Pro	Gly	Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu
					20			25					30		

Ser Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 789
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 789
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Gln
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Gln Ser Asp Ala
35 40

<210> 790
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 790
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 791
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 791

Ala	Glu	Thr	Pro	Ala	Gln	Val	Gly	Trp	Asn	Ser	Leu	Gln	Ser	Val	Trp
1															
														10	15

Pro	Gly	Glu	His	Trp	Asn	Thr	Xaa	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser
														25	30

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala								
														35	40

<210> 792

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 792

Ala	Glu	Ser	Pro	Ala	Gln	Val	Gly	Ser	Asn	Arg	Leu	Gln	Ser	Val	Trp
1															
														10	15

Ser	Gly	Glu	His	Trp	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser	
														20	25	30

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala									
															35	40

<210> 793

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 793

Ala	Glu	Thr	Pro	Ala	Gln	Val	Gly	Gln	Tyr	Arg	Leu	Ser	Ser	Val	Trp
1															
														10	15

Pro	Gly	Glu	His	Gly	Asn	Thr	Val	Asp	Pro	Phe	Tyr	His	Lys	Leu	Ser	
														20	25	30

Glu	Leu	Leu	Arg	Glu	Ser	Gly	Ala									
															35	40

<210> 794

<211> 40

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 794
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Ile Asp Pro Phe Tyr Xaa Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 795
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 795
Asp Glu Thr Pro Ala His Val Gly Trp Asn Arg Pro Gln Ser Ala Trp
1 5 10 15

Pro Gly Glu Arg Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 796
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 796
Ala Gly Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Arg Ser Val Gln
1 5 10 15

Pro Asp Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 797
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 797
Ala Glu Thr Pro Ala Gln Val Gly Trp Gln Arg Leu Trp Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Pro Xaa Asp Pro Phe Tyr Arg Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 798
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 798
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Gln Ser Val Trp
1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 799
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 799

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 800
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 800
Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 801
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 801
Xaa Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Xaa Xaa Xaa Xaa
 20 25

<210> 802
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 802
 Gly Gly Ala Val Ala Ala Val Val Gly Ser Arg Ala Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Ser
 20 25

<210> 803
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 803
 Ser Gly Gly Gly Gln Gln Arg Lys Ala Ile Ala Thr Ser Asp Asp Pro
 1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Leu Leu Gly Gly
 20 25

<210> 804
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 804
 Cys Ser Met Ala Ala Val Ala Glu Ala Gly Asp Asp Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Ser
 20 25

<210> 805
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 805
 Cys Gly Ala Lys Met Thr Gly Thr Pro Asn Asp Pro Phe Tyr His Lys
 1 5 10 15

Leu Ser Glu Leu Leu Gln Arg Gly
20

<210> 806
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 806
Cys Cys Val Glu Ala Glu Glu Ala Val Gly Arg Arg Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Thr Gly Cys Cys
20 25

<210> 807
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 807
Ser Arg Val Val Thr Met Val Ile Lys Arg Gly Ser Pro Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Arg
20 25

<210> 808
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 808
Gly Cys Ile Thr Ala Glu Asn Gly Ala Gly Asp Pro Phe Tyr His Lys
1 5 10 15

Leu Ser Glu Leu Gly Gly Cys Ser
20

<210> 809
<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 809

Arg	Cys	Gly	Asp	Glu	Glu	Gly	Trp	Gln	Glu	Asn	Arg	Arg	Asp	Asp	Pro
1				5					10						15

Phe	Tyr	His	Lys	Leu	Ser	Glu	Leu	Phe	Gly	Gly	Cys				
					20				25						

<210> 810

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 810

Gly	Cys	Glu	Val	Ile	Ala	Ala	Glu	Gly	Arg	Arg	Asp	Asp	Pro	Phe	Tyr
1				5					10						15

His	Lys	Leu	Ser	Glu	Leu	Cys	Gln	Gly	Gly						
			20				25								

<210> 811

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 811

Ser	Ser	Glu	Thr	Ala	Lys	Met	Val	Thr	Gly	Thr	Arg	Asp	Asp	Pro	Phe
1				5				10							15

Tyr	His	Lys	Leu	Ser	Glu	Leu	Val	Gln	Gly	Ser					
				20			25								

<210> 812

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 812

Trp	Leu	Cys	Asp	Gly	Gly	Trp	Lys	Gln	Arg	Arg	Pro	Pro	Gly	Asp	Pro
1				5				10						15	

Phe	Tyr	His	Lys	Leu	Ser	Glu	Leu	Ile	Asp	Cys	Gly
				20				25			

<210> 813

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 813

Ser	Arg	Val	Ala	Ala	Thr	Lys	Glu	Lys	Arg	Pro	Ser	Asp	Asp	Pro	Phe
1				5				10						15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Gln	Gly	Ser
			20				25			

<210> 814

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 814

Ser	Arg	Ala	Lys	Val	Glu	Ala	Glu	Met	Pro	Asp	Ser	Gly	Asp	Pro	Phe
1				5				10					.15		

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Ala	Ser	Gly
			20				25			

<210> 815

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 815

Gly	Gly	Ala	Ala	Lys	Lys	Thr	Val	Val	Gly	Ser	Pro	Asp	Asp	Pro	Phe
1				5				10						15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Gln	Gly	Ser
			20				25			

<210> 816

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 816

Cys Gly Val Gly Glu Gln Met Glu Val Thr Asp Asp Gly Asp Asp Pro
1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Leu Trp Ser Cys
20 25

<210> 817

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 817

Ser Gly Glu Gln Thr Ala Thr Ile Glu Gly Pro Ser Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Trp Gly Ser
20 25

<210> 818

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 818

Gly Gly Thr Lys Ala Val Ala Lys Val Gly Thr Arg Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 819

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 819

Gly Cys Glu Val Ile Val Glu Glu Gly Asp Ser Ala Asp Pro Phe Tyr
1 5 10 15

His Lys Leu Ser Glu Leu Cys Gln Gly Ser
20 25

<210> 820

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 820

Gly Cys Ala Val Val Glu Glu Ala Glu Arg Ser Arg Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Gln Gly Cys
20 25

<210> 821

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 821

Gly Arg Thr Met Ala Val Met Ala Ala Gly Gly Pro Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Gly
20 25

<210> 822

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 822

Gly Cys Val Val Glu Trp Gln Lys Trp His Gly Ala Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Gly Gly Cys Ser
20 25

<210> 823

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 823

Arg Gly Lys Thr Ala Ala Val Ile Val Gly Arg Pro Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Gly
20 25

<210> 824

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 824

Ser Gly Ala Lys Val Ile Val Val Thr Gly Asp Ser Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 825

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 825

Arg Gly Ile Val Ala Met Val Glu Ala Thr Glu Val Gly Ser Asp His
1 5 10 15

Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Val Gln Gly Ser
20 25 30

<210> 826

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 826

Gly Cys Lys Met Glu Glu Thr Glu Thr Gly Thr Ser Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Ser Gly Gly
20 25

<210> 827

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 827

Arg Gly Glu Val Ala Thr Met Glu Val Pro Ala Gly Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Trp Gly Ser
20 25

<210> 828

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 828

Arg Cys Gly Arg Trp Xaa Ala Glu Met Gly Ala Gly Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Cys Gly
20 25

<210> 829

<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 829
Arg Cys Met Val Glu Thr Ile Ala Val Gly Ser Gly Asp Asp Pro Phe
1 5 10 15
Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Gly
20 25

<210> 830
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 830
Trp Trp Gln Lys Lys Ser Gly Asp Gly Ala Ser Ala Ser Asp Pro Phe
1 5 10 15
Tyr His Lys Leu Ser Glu Leu Ile Trp Gly Ser
20 25

<210> 831
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 831
Arg Gly Met Lys Glu Glu Val Leu Val Gly Gly Ser Thr Asp Pro Phe
1 5 10 15
Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 832
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 832
 Arg Cys Glu Glu Lys Gln Ala Glu Val Gly Pro Ser Ser Asp Pro Phe
 1 5 10 15

Tyr His Lys Met Ser Glu Leu Leu Gly Cys Arg
 20 25

<210> 833
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 833
 Arg Gly Cys Asn Asp Asp Gly Gly Lys Gly Trp Ser Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Cys Gly Gly
 20 25

<210> 834
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 834
 Cys Cys Thr Thr Glu Met Val Val Met Asp Ala Arg Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Thr Gly Gly
 20 25

<210> 835
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 835
 Gly Cys Lys Lys Val Glu Ala Lys Lys Gly Asn Asp Ala Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 836
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 836
 Arg Ser Met Met Ala Lys Ala Ile Val Gly Gly Pro Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Tyr Glu Leu Gln Phe Gly Ser Arg
 20 25

<210> 837
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 837
 Cys Gly Gly Ala Val Pro Asp Gly Asp Asp Pro Phe Tyr His Lys Leu
 1 5 10 15

Ser Glu Leu Met Gln Gly Cys
 20

<210> 838
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 838
 Gly Cys Glu Glu Val Glu Ala Glu Thr Thr Gly His Arg Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
 20 25

<210> 839
 <211> 27

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 839
Gly Cys Ala Glu Ile Glu Ile Ala Ala Gly Gly Gly Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
20 25

<210> 840
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 840
Gly Cys Ala Glu Val Lys Ala Val Lys Gly Ala Gly Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
20 25

<210> 841
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 841
Gly Cys Ala Ala Val Glu Thr Thr Asn Gly Arg Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
20 25

<210> 842
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 842

Cys	Gly	Glu	Val	Thr	Gly	Arg	Ala	Gly	Asp	Pro	Phe	Tyr	His	Lys	Leu
1				5					10				15		

Ser Glu Leu Leu Gln Gly Cys

20

<210> 843

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 843

Gly	Cys	Ala	Met	Val	Glu	Ala	Thr	Glu	Gly	Arg	Arg	His	Asp	Pro	Phe
1				5					10			15			

Tyr His Lys Leu Ser Glu Leu Ile Gln Gly Cys

20

25

<210> 844

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 844

Gly	Cys	Thr	Glu	Val	Val	Gly	Ser	Gly	Asp	Asp	Pro	Phe	Tyr	His	Lys
1				5					10			15			

Leu Ser Glu Leu Leu Gln Gly Cys

20

<210> 845

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 845

Gly	Gln	Cys	Ala	Met	Glu	Glu	Ile	Ile	Arg	Gly	Ala	Asn	Asp	Pro	Phe
1				5					10			15			

Tyr His Lys Leu Ser Glu Leu Cys Glu Gly Gly

20

25

<210> 846

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 846

Gly Cys Ala Glu Ile Val Ile Glu Glu Gly Asp Asp Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys

20 25

<210> 847

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 847

Pro Gln Cys Ser Ser Ile Lys Ala Glu Gly Gly Ser Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Val Gly Cys

20 25

<210> 848

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 848

Gly Cys Ala Ala Val Val Ala Glu Ala Ser Gly Asp Asp Pro Phe Tyr
1 5 10 15

His Lys Leu Ser Glu Leu Leu Gln Gly Cys

20 25

<210> 849

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 849

Arg Gly Val Glu Met Lys Ala Ile Val Val Gly Thr Pro Asn Asp Pro
1 5 10 15

Phe Tyr His Lys Leu Ser Glu Leu Ser Ser Gly Ser
20 25

<210> 850

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 850

Cys Ser Ala Val Lys Met Ala Glu Ala Gly Asp Pro Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Ser
20 25

<210> 851

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 851

Arg Gly Gly Asp Gly Asp Pro Phe Tyr His Lys Leu Phe Glu Leu Met
1 5 10 15

Gln Ser Ser

<210> 852

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 852
Trp Leu Cys Lys Arg Gln Thr His Asp Pro Asp Pro Phe Tyr His Lys
1 5 10 15

Leu Ser Glu Leu Ala Gly Cys Arg
20

<210> 853
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 853
Ser Ser Lys Val Val Lys Ala Thr Val Gly Thr Pro His Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 854
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 854
Gly Cys Ala Ala Ile Ala Val Ala Thr Gly Asn Asp Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
20 25

<210> 855
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 855
Gly Cys Ala Ala Val Val Lys Glu Thr His Asp Pro Pro Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu His Gly Cys
20 25

<210> 856

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 856

Ser Cys Ala Ala Glu Lys Glu Val Ala Gly Thr Ala Arg Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Met Gln Ser Ser
20 25

<210> 857

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 857

Cys Ser Val Ala Val Gly Asp Ser Gly Asp Pro Phe Tyr His Lys Leu
1 5 10 15Ser Glu Leu Leu Gln Gly Cys Arg
20

<210> 858

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 858

Trp Gln Arg Asn Lys Gln Gln Ile Ile Gly Thr Pro Asp Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Leu Glu Gly Ser
20 25

<210> 859

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 859

Arg Ser Ala Ala Ala Lys Ala Val Ile Gly Ser Pro Asn Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Ile Gln Gly Gly
20 25

<210> 860

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 860

Trp Leu Cys Asp Arg Asp Gly Arg Asp Glu Gln Pro Trp Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Val Ser Cys Gly Arg
20 25

<210> 861

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 861

Gly Ser Val Ala Ala Ala Lys Lys Thr Gly Ser Ser Asp Asp Pro Phe
1 5 10 15Tyr His Lys Leu Phe Glu Leu Leu Gln Gly Ser
20 25

<210> 862

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 862

Gly Cys Ala Val Thr Thr Met Thr Met Arg Ser Pro Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Arg
20 25

<210> 863

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 863

Gly Cys Lys Val Asp Asp Glu Xaa Ala Arg Ser Ser Asp Pro Phe Tyr
1 5 10 15

His Lys Leu Ser Glu Leu Leu Lys Gly Cys Arg
20 25

<210> 864

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 864

Gly Cys Lys Ala Val Val Glu Val Lys Asp His Gly Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
20 25

<210> 865

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 865

Cys Ser Thr Val Thr Val Ser Gly Ser Asp Asp Pro Phe Tyr His Lys
1 5 10 15

Leu Ser Glu Leu Leu Gln Gly Cys
20

<210> 866
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 866
Arg Ser Val Thr Ala Lys Val Glu Val Gly Ser Asp Arg Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 867
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 867
Gly Ser Arg Arg Gln Lys Ile Glu Val Gly Thr Pro Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Gly
20 25

<210> 868
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 868
Leu Cys Asp Glu Lys Gln Arg Val Thr Gly Gly Thr Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Thr Gly Gly Cys Arg
20 25

<210> 869
<211> 24

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 869

Ser Cys Met Val Glu Gly Pro Asn Asp Asp Pro Phe Tyr His Lys Leu
1 5 10 15

Ser Glu Leu Leu Gln Gly Cys Arg
20

<210> 870

<211> 27

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 870

Gly Gly Ala Ala Val Val Val Ala Met Gly Gly Asn Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Phe Glu Leu Met Gln Gly Gly
20 25

<210> 871

<211> 27

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 871

Gly Gly Val Ile Lys Ala Met Lys Ala Gly Gly Pro Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Ser
20 25

<210> 872

<211> 27

<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 872
Gly Cys Ile Ile Ala Glu Lys Val Val Gly Pro Pro Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Asp Cys Gly
20 25

<210> 873
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 873
Gly Cys Glu Lys Val Val Ala Val Ala Gly Asn Ala Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys
20 25

<210> 874
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 874
Gly Ser Val Met Thr Val Thr Glu Met Ala Gly Ala Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Gly Arg
20 25

<210> 875
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 875
Arg Gly Glu Ala Lys Glu Ala Lys Ile Gly Ser Ala Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Met Gln Gly Ser Arg
20 25

<210> 876
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 876
Gly Cys Glu Glu Val Val Val Met Ala Asn Ser Ser Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Cys Gln Gly Ser Arg
20 25

<210> 877
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 877
Gly Cys Ala Ala Val Val Val Thr Thr Gly Gly Asp Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
20 25

<210> 878
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 878
Ser Arg Thr Gly Glu Arg Gln Val Val Gly Ser His Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Ser Ser
20 25

<210> 879
<211> 28
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 879

Gly Cys Lys Glu Val Val Val Glu Thr Ala His Ala Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gln Gly Cys Arg
20 25

<210> 880

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 880

Arg Arg Ile Thr Ile Lys Val Lys Ala Gly Asp Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Trp Gly Gly
20 25

<210> 881

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 881

Trp Cys Asp Gln Lys Glu Thr Val Val Ser Asn Ser Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Cys Ser
20 25

<210> 882

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 882

Arg	Cys	Glu	Glu	Ile	Thr	Ile	Gly	Asp	Gly	Arg	Ala	Gly	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Gln	Gly	Cys
				20				25		

<210> 883

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 883

Cys	Ser	Val	Val	Met	Thr	Glu	Glu	Lys	Asn	Asp	Arg	Asp	Asp	Pro	Phe
1				5				10					15		

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Gln	Gly	Cys
				20				25		

<210> 884

<211> 29

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 884

Gly	Gly	Glu	Ala	Arg	Arg	Gln	Gln	Val	Gly	Thr	Ala	Asn	Asp	Pro
1				5				10					15	

Phe	Tyr	His	Lys	Leu	Ser	Glu	Leu	Ala	Phe	Gly	Gly	Arg
				20				25				

<210> 885

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 885

Gly	Cys	Ala	Val	Thr	Ala	Ile	Thr	Ile	Asn	Gly	Thr	Ser	Asp	Pro	Phe
1				5				10					15		

Tyr	His	Lys	Leu	Ser	Glu	Leu	Cys	Gln	Gly	Ser
				20				25		

<210> 886
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 886
Gly Ser Lys Val Lys Ala Met Ala Val Gly Thr Ser Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gln Gly Arg
20 25

<210> 887
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 887
Arg Cys Lys Gly Ile Lys Ala His Ser Asp Asn Asp Pro Phe Tyr His
1 5 10 15

Lys Leu Ser Glu Leu Cys Gln Gly Gly
20 25

<210> 888
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 888
Arg Arg Val Ala Ala Val Ala Xaa Lys Asp Ala Thr Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Arg Ser Gly
20 25

<210> 889

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 889

Arg Ser Thr Met Lys Glu Lys Ile Glu Gly Asp Gly Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Lys Ser Gly
20 25

<210> 890

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 890

Gly Gly Ala Val Ile Val Thr Ala Ala Arg Arg Gly Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Arg Gly
20 25

<210> 891

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 891

Ser Arg Glu Ala Val Glu Val Thr Met Ala Arg Gly Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Trp Gly Ser
20 25

<210> 892

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 892

Arg	Ser	Thr	Thr	Met	Val	Lys	Ala	Val	Pro	Pro	Pro	Arg	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Xaa	Gly	Gly
				20				25		

<210> 893

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide.

<400> 893

Gly	Arg	Thr	Glu	Glu	Val	Val	Val	Val	Gly	Thr	Arg	Arg	Asp	Pro	Phe
1				5					10					15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Leu	Ala	Ser	Gly
				20				25		

<210> 894

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 894

Arg	Arg	Met	Ala	Gly	Trp	Gln	Xaa	Thr	Ser	Ser	Ser	Asp	Pro	Phe	Tyr
1					5			10					15		

His	Lys	Leu	Ser	Glu	Leu	Val	Ser	Gly	Ser
				20			25		

<210> 895

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 895

Ser	Arg	Lys	Glu	Val	Thr	Glu	Met	Val	Gly	Gly	Pro	Ser	Asp	Pro	Phe
1				5				10						15	

Tyr	His	Lys	Leu	Ser	Glu	Leu	Met	Gly	Ser	Gly
				20					25	

<210> 896

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 896

Arg	Gly	Thr	Ala	Lys	Gln	Arg	Lys	Ser	Ser	Asp	Pro	Xaa	Asp	Pro	Phe
1				5				10					15		

Tyr	His	Lys	Leu	Ser	Glu	Leu	Ile	Tyr	Gly	Ser
				20				25		

<210> 897

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 897

Gly	Gly	Val	Val	Ala	Val	Val	Ala	Ala	Gly	Arg	Arg	Asp	Asp	Pro	Phe
1				5				10					15		

Tyr	His	Lys	Leu	Ser	Glu	Leu	Val	Ser	Gly	Arg
				20				25		

<210> 898

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 898

Ser Arg Gln Met Ala Met Val Glu Val Gly Asn Pro Gly Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gly Ser
20 25

<210> 899
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 899
Arg Arg Val Thr Ala Val Ile Glu Val Asp Gly Ala Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Xaa Glu Leu Leu Ser Gly Gly
20 25

<210> 900
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 900
Arg Ser Val Ile Ala Asn Xaa Xaa Xaa Gly Xaa Asn Ala Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Ser Ser Gly
20 25

<210> 901
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

400> 901

Arg Gly Val Val Ile Glu Thr Thr Lys Asp Pro Gly Ala Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Phe Gly Arg
 20 25

<210> 902
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 902
Arg Arg Thr Thr Val Met Glu Thr Val Gly Gly Arg Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu His Arg Gly
 20 25

<210> 903
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 903
Gly Arg Val Val Val Ala Ala Ala Val Arg Pro Asp Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Ala Gly Arg
 20 25

<210> 904
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 904
Arg Gly Val Ala Thr Val Val Ala Asn His His Ser Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Leu Arg Gly
 20 25

<210> 905

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 905

Arg Arg Lys Met Ala Thr Glu Ile Met Arg Ser Asp Ala Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Leu Gly Gly Ser
20 25

<210> 906

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 906

Gly Gly Lys Thr Ala Val Glu Val Thr Ser Pro Ala Ser Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Leu Leu Arg Gly
20 25

<210> 907

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 907

Arg Arg Glu Lys Lys Val Lys Val Thr Thr Asp Asn Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Val Phe Gly Gly
20 25

<210> 908

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 908

Ser Ser Ala Ile Ile Met Val Ala Ala Asp Arg Ala Asp Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Leu Trp Gly Ser
20 25

<210> 909

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 909

Arg Arg Glu Val Ala Ile Val Ala Ala Gly Ala Gly Gly Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Leu Ser Arg Gly
20 25

<210> 910

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 910

Arg Arg Met Val Met Glu Ala Ala Glu Asn His Ala Asp Asp Pro Phe
1 5 10 15Tyr His Lys Leu Ser Glu Leu Leu Trp Arg Asp
20 25

<210> 911

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 911
 Gly Arg Lys Met Glu Ile Val Ala Ile Arg Gly Ala His Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Xaa Gly Arg
 20 25

<210> 912
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 912
 Cys Cys Ile Ala Met Val Glu Met Ala Ala Gly Gly Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Ser Gly Arg
 20 25

<210> 913
 <211> 20
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 913
 Arg Gly Ala Gln Ser Pro Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
 1 5 10 15

Ala Phe Gly Ser
 20

<210> 914
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 914
 Arg Lys Thr Ala Met Val Val Ile Gly Asp Ala Ser Asp Pro Phe Tyr
 1 5 10 15

His Lys Leu Ser Glu Leu Ala Phe Gly Ser
 20 25

<210> 915

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 915

Gly Ser Val Ile Thr Lys Ala Met Lys Ala Asp Gly Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Xaa Gly Gly

20 25

<210> 916

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 916

Gly Gly Val Lys Ala Ala Ala Ala Glu Arg Asp Asp Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Phe Gly Ser

20 25

<210> 917

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 917

Cys Cys Glu Met Val Lys Thr Ile Glu His Gly Gly Asn Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Phe Gly Arg

20 25

<210> 918
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 918
 Gly Gly Ala Lys Val Ala Val Val Val Asp His Gly Asp Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Arg Gly Ser
 20 25

<210> 919
 <211> 28
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 919
 Arg Gly Lys Thr Lys Met Ala Met Ala Ala Gly Gly Asn Arg Asp Pro
 1 5 10 15
 Phe Tyr His Lys Leu Ser Glu Leu Ile Phe Gly Asn
 20 25

<210> 920
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 920
 Gly Gly Met Ala Thr Lys Ile Val Thr Ala Pro Gly His Asp Pro Phe
 1 5 10 15
 Tyr His Lys Leu Ser Glu Leu Leu Phe Gly Gly
 20 25

<210> 921
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 921

Ser Gly Glu Gly Glu Met Ala Met Pro Gly Pro Asp Asp Pro Phe Tyr
1 5 10 15

His Lys Leu Ser Glu Leu Ile Gly Ser Arg Ala
20 25

<210> 922

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 922

Gly Gly Met Ala Glu Val Val Val Val Gly Pro Pro Arg Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Gly Gly
20 25

<210> 923

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 923

Gly Gly Glu Val Lys Val Met Val Ala Asp Gly Ser Thr Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gly Arg Thr
20 25

<210> 924

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 924

Ser Cys Val Met Val Glu Thr Val Ala Gly Arg Asn Arg Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Gly Cys
 20 25

<210> 925
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 925
 Arg Arg Trp Xaa Lys Val Pro Gly Ala Ala Asp Pro Phe Tyr His Lys
 1 5 10 15

Leu Ser Glu Leu Leu Gly Arg Ser Ala
 20 25

<210> 926
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 926
 Gly Gly Val Glu Ala Thr Glu Val Glu His Ala Asp Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Val Gly Arg Ser
 20 25

<210> 927
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 927
 Arg Gly Val Glu Val Ala Val Ile Thr His Gly Pro Pro Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Arg Gly Ala
 20 25

<210> 928
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 928
Ser Gly Thr Val Thr Val Ile Ala Met Ser Gly Thr Asp Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Ser Arg Ser
20 25

<210> 929
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 929
Gly Arg Thr Ala Val Val Lys Glu Ala Ser Pro Ala His Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Leu Arg Gly
20 25

<210> 930
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 930
Arg Gly Ala Ile Gly Asn Ala Ala Val Gly Asn Arg Ser Asp Pro Phe
1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Ser Arg Gly
20 25

<210> 931
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 931
Gly Gly Met Ile Lys Thr Ala Met Glu His Asp Thr Arg Asp Pro Phe
1 5 10 15
Tyr His Lys Leu Ser Glu Leu Leu Arg Gly Gly
20 25

<210> 932
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 932
Gly Cys Ala Glu Val Glu Glu Val Ala Gly Ala Gly His Asp Pro Phe
1 5 10 15
Tyr His Lys Leu Ser Glu Leu Cys Ala Gly Gly
20 25

<210> 933
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 933
Ser Ser Val Val Val Val Glu Val Val Asp Ala Arg Arg Asp Pro Phe
1 5 10 15
Tyr His Lys Leu Ser Glu Leu Val Xaa Ser Gly
20 25

<210> 934
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 934
 Gly Arg Lys Lys Ala Val Ala Thr Met Thr Asp Gly Gly Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Ile Leu Arg Ser
 20 25

<210> 935
 <211> 27
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 935
 Arg Gly Glu Thr Glu Met Ala Val Ala Asp Thr Asp Asp Asp Pro Phe
 1 5 10 15

Tyr His Lys Leu Ser Glu Leu Leu Gly Arg Gly
 20 25

<210> 936
 <211> 18
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 936
 Gly Gln Arg Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Met Gly Arg
 1 5 10 15

Gly Ala

<210> 937
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 937
 Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
 1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 938

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 938

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Phe Thr Leu Phe Glu Xaa
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 939

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 939

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Gln Leu Trp Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 940

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 940

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gln Leu Ser Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 941

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 941

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gln Leu Tyr Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 942

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 942

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Arg Gln Leu Ser Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 943

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 943

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Tyr Phe Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 944

<211> 21

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 944
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gln Met Tyr Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 945
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 945
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Arg Gln Leu Tyr Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 946
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 946
Glu His Trp Asn Thr Val Asp Leu Phe Tyr Tyr Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 947
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 947
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Ile Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 948
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 948
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Phe Phe Ala Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 949
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 949
Glu His Xaa Asn Thr Val Asp Pro Phe Tyr Glu Gly Leu Leu Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 950
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 950

Glu His Xaa Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 951

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 951

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Tyr Phe Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 952

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 952

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Tyr Gly Leu Gln Thr Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 953

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 953

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Ala Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 954

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 954

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Xaa Met Arg Asn Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 955

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 955

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Leu Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 956

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 956

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Gly Leu Arg Gln Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 957

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 957

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gly Lys Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 958

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 958

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gln Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 959

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 959

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Met Leu Gln Gln Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 960

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 960

Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Lys Leu Tyr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 961

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 961

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Ser Asn Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 962

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 962

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Tyr Xaa Met Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 963

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 963

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Leu Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 964

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 964

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Arg Met Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 965

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 965

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Trp Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 966

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 966

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Xaa Ile Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 967

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 967

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Leu Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 968

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 968

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Met Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 969

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 969

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Ser Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 970

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 970

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Tyr Leu Gln Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 971

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 971

Glu His Trp Asn Thr Val Asp Ser Phe Tyr Leu Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 972

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 972

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 973

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 973

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Ala Leu Gln Gln Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 974

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 974

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Met Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 975

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 975

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Lys Met Gln Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 976

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 976

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Gln Glu Leu
1 5 10 15Leu Arg Glu Ser Gly
20

<210> 977

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 977

Glu His Trp Asn Thr Ile Asp Pro Phe Tyr His Gln Ile Ser Glu Leu
1 5 10 15Leu Arg Glu Ser Gly
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<210> 978

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 978

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Thr Glu Leu
1 5 10 15Leu Arg Glu Ser Gly
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<210> 979

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 979
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Tyr Met Ser Gln Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 980
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 980
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 981
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 981
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Lys Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 982
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 982

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Arg Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 983
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 983
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gly Leu Xaa Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 984
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 984
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 985
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 985

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Xaa Ile Ala Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 986

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 986

Glu His Xaa Asn Thr Val Asp Pro Phe Tyr His Gly Leu Tyr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 987

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 987

Glu His Trp Asn Thr Val Asp Ala Phe Tyr His Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 988

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 988

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Ile Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 989

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 989

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Xaa Met Arg Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 990

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 990

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Gly Leu Leu Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 991

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 991

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Gln Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 992
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 992
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 993
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 993
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Met Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 994
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 994
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Gly Leu Gln Ala Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 995
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 995
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Met Leu Gln Lys Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 996
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 996
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 997
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 997
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Leu Ala Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 998
<211> 21
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 998
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Xaa Leu Asn Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 999
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 999
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 1000
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1000
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Arg Arg Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly
20

<210> 1001
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1001

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1002

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1002

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Leu Lys Met Thr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1003

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1003

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Glu Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1004

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1004

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Tyr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1005
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1005
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1006
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1006
Glu His Trp Xaa Thr Val Asp Pro Phe Tyr Leu Lys Leu Ser Glu Leu
1 5 10 15

Leu Xaa Glu Ser Gly Ala
20

<210> 1007
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1007
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Arg Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1008
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1008
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Gly Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1009
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1009
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Arg Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1010
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1010
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Asn Leu Tyr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1011
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1011

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asn Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1012

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1012

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Ser Ala
20

<210> 1013

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1013

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Lys Leu Ser Ala Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1014

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1014

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Ala Arg Leu Ser Ala Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1015
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1015
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Ile Leu Ala Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1016
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1016
Glu His Trp Asn Thr Val Glu Pro Xaa Tyr His Lys Leu Cys Gly Arg
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1017
<211> 22
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1017
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Arg Leu Thr Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1018

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1018

Glu His Trp Asn Thr Val Asp Pro Phe Xaa Pro Lys Val Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1019

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1019

Glu His Trp Asn Thr Val Glu Pro Phe Gly Ala Xaa Leu Ala Glu Pro
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1020

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1020

Glu Arg Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1021
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1021
Glu His Trp Asn Thr Val Asp Gln Phe Tyr Gln Ala Leu Phe Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1022
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1022
Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ala Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1023
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1023
Glu His Trp Asn Thr Val Asp Pro Phe Tyr Asp Lys Leu Ser Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1024
<211> 22
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1024

Glu Tyr Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ala Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1025

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1025

Glu His Trp Asn Thr Val Arg Pro Arg Tyr Gln Xaa Leu Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1026

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1026

Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Gln Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala

20

<210> 1027

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1027

Glu His Trp Asn Thr Val Ala Thr Phe Xaa Asp Lys Val Thr Asp Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1028

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1028

Glu His Trp Asn Thr Val Asp Pro Phe Leu Asp Lys Arg Ser Xaa Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1029

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1029

Glu His Trp Asn Thr Val Gly Ala Phe Gln Pro Thr Pro Glu Tyr Leu
1 5 10 15

Leu Arg Glu Ser Gly Ala
20

<210> 1030

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1030

Xaa Xaa Xaa Xaa Xaa Xaa Phe Tyr Asp Ala Ile Asp Gln Leu Val Xaa
1 - 5 10 15

Xaa Xaa Xaa Xaa Xaa

20

<210> 1031

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1031

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
1 5 10 15

Gly Thr Arg Asp

20

<210> 1032

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1032

Pro Pro Trp Gly Ala Arg Phe Tyr Asp Ala Ile Glu Gln Leu Val Phe
1 5 10 15

Asp Asn Leu Cys Cys

20

<210> 1033

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1033

Ile Gly Arg Val Arg Ser Phe Tyr Asp Ala Ile Asp Lys Leu Phe Gln
1 5 10 15

Ser Asp Trp Glu Arg
20

<210> 1034

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1034

Arg Asp Ala Gly Ser Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Cys
1 5 10 15

Leu Thr Tyr Phe Cys
20

<210> 1035

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1035

Met Pro Met Gly Leu Asn Phe Tyr Asp Gly Ile Glu Gln Leu Val Arg
1 5 10 15

Glu Trp Gly Gly Asp
20

<210> 1036

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1036

Thr Ile Ser Ala His Thr Phe Tyr Glu Ala Ile Tyr Gln Leu Ile Glu
1 5 10 15

Gly Ile Asp Pro Leu
20

<210> 1037

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1037

Ser Pro Trp Gly Arg Ala Phe Tyr Asp Ala Leu Asp Gln Leu Met Gly
1 5 10 15

Gly Ala Glu Arg Gly
20

<210> 1038

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1038

Leu Ser Pro Pro Arg Asp Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
1 5 10 15

Asp Gly Gly Trp Gly
20

<210> 1039

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1039

His Gly Val Pro Arg Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Trp
1 5 10 15

Gly Ile Glu Val Gly
20

<210> 1040

<211> 21

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1040
Gly Gly Thr Asp Gln Leu Phe Tyr Gly Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Gly Thr Trp Trp Arg
20

<210> 1041
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1041
Leu Ser Val His Gln Ser Phe Tyr Asp Ala Ile Asn Glu Leu Ile Phe
1 5 10 15

Ser Gly Leu Glu Ala
20

<210> 1042
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1042
Gly Asp Ala Arg Asp Pro Phe Tyr Asp Ala Met Glu Gln Leu Val Tyr
1 5 10 15

Gly Glu Leu Gly Gly
20

<210> 1043
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1043
Val Ala Ser Pro Arg Ser Phe Tyr Glu Ala Ile Ala Gln Leu Val Phe
1 5 10 15

Asn Leu Gly Gln Glu
20

<210> 1044
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1044
Arg Lys Pro Cys Gln Thr Phe Tyr Asp Cys Ile Leu Asp Leu Val Val
1 5 10 15

Thr Asp Val Asp Val
20

<210> 1045
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1045
Leu Leu Ser Arg Trp Thr Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
1 5 10 15

Gly Gly Ala Asp Gly
20

<210> 1046
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1046
Pro Ala Gly Cys Gln Gly Phe Tyr Glu Ala Ile Glu Gln Leu Val Thr
1 5 10 15

Gly Gly Glu Cys Gly
20

<210> 1047

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1047

Ala Val Phe Pro Arg Thr Phe Tyr Glu Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Val Ser Leu Leu Gly

20

<210> 1048

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1048

Ala Pro Ile Pro Phe Ser Phe Tyr Asp Ala Ile Val Gln Leu Val Met
1 5 10 15

Gln Gly Asp His Glu

20

<210> 1049

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1049

Gln Cys Asn Pro Arg Thr Phe Tyr Glu Ala Ile Ala Gln Leu Val Thr
1 5 10 15

Gly Cys Asp Val Ser

20

<210> 1050

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1050

Val Ser Thr Ser Gly Ser Phe Tyr Asp Ala Ile Gln Gln Leu Leu Glu
1 5 10 15

Asp Ser Trp Gly Trp
20

<210> 1051

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1051

His His Ser Ala Phe Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
1 5 10 15

Val Pro Trp Glu Glu
20

<210> 1052

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1052

Phe Thr Tyr Val His Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Gly Glu Gly Gly Gly
20

<210> 1053

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1053

Gln Gly Asn Ala Gln Asn Phe Tyr Asp Ala Ile Asp Gln Leu Cys Phe
1 5 10 15

Gly Cys Leu Gly Gly
20

<210> 1054
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1054
Ser Ser Glu Gly Trp Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Arg Glu Arg Gly Trp
20

<210> 1055
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1055
Pro Asp Gly Cys Ala Thr Phe Tyr His Ala Ile Gln Gln Leu Val Thr
1 5 10 15

Gly Phe Pro Cys Val
20

<210> 1056
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1056
Arg Gly Pro Pro Met Thr Phe Tyr Asp Ala Ile Ala Gln Leu Val Ala
1 5 10 15

Gln Ser Ala Asp Gly
20

<210> 1057

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1057
Arg Ser Ser Cys Gln Ser Phe Tyr Asp Ala Ile Glu Arg Leu Val Leu
1 5 10 15

Gly Gly Thr Cys Gly
20

<210> 1058
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1058
Val Ser Arg Lys Phe Ser Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
1 5 10 15

Gly Asp Ala Gly Val
20

<210> 1059
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1059
Phe Gln Arg Thr Trp Ser Phe Tyr Asp Ala Ile Asn Gln Leu Val Met
1 5 10 15

Glu Gly Ser Gly Asp
20

<210> 1060
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1060
Arg Gly Ser Ala Thr Thr Phe Tyr Asp Ala Ile Asn Gln Leu Val Gly
1 5 10 15

Gln Asp Gly Gly Trp
20

<210> 1061
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1061
Ala Gln Pro Cys Val Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Thr
1 5 10 15

Gly Arg Ser Cys Met
20

<210> 1062
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1062
Gly Gly Asp Gly Asp Pro Phe Tyr Asp Trp Ile Glu Gln Leu Val Arg
1 5 10 15

Ala Gly Ser Glu Ala
20

<210> 1063
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1063
Leu Asp Leu Cys Ala Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
1 5 10 15

Val Lys Phe Cys Gly
20

<210> 1064
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1064
Trp Leu Ala Cys Gln Ser Phe Tyr Asp Ala Ile Asp Gln Leu Ile Asn
1 5 10 15

Gly Gly Glu Cys Asn
20

<210> 1065
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1065
Glu Val Asn Ala Leu Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gly Gly Leu Gly Gly
20

<210> 1066
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1066
Arg Leu Gln Pro Arg Thr Phe Tyr Glu Ala Ile Asp Gln Leu Ile Gly
1 5 10 15

Gly Val Leu Glu Gly
20

<210> 1067
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1067

Ser Gly Ala His Arg Thr Phe Tyr Asp Ala Ile Gln Glu Leu Val Gly
1 5 10 15

Met Gly Gly Ser Lys

20

<210> 1068

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1068

Asn Met Gln Ser Leu Thr Phe Tyr Asp Ala Ile Ala Gln Leu Val Leu
1 5 10 15

Gly Arg Ser Gly Gly

20

<210> 1069

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1069

Arg Ala Val Gly Ala Thr Phe Tyr Asp Gln Ile Asn Gln Leu Val Arg
1 5 10 15

Lys Asp Asp Gly Tyr

20

<210> 1070

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1070
Ser Gln Cys Arg Gly Gly Phe Tyr Asp Ala Ile Tyr Gln Leu Val Thr
1 5 10 15

Gly Val Asn Cys Ile
20

<210> 1071
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1071
Asp Arg Leu Ala Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val His
1 5 10 15

Cys Cys Gly His Gly
20

<210> 1072
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1072
Gly Asn Arg Gln Arg Gly Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Gly Ser Trp Trp Arg
20

<210> 1073
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1073
Gly Gly Ser Val Leu Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
1 5 10 15

Gly Gly Gln Ser Ile
20

<210> 1074

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1074

Arg Ser Gly Pro Met Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Leu
1 5 10 15

Gly Arg Leu His Pro
20

<210> 1075

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1075

Val Ser Gly Cys Arg Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Ser
1 5 10 15

Gly Gln Ala Cys Gly
20

<210> 1076

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1076

Ala Gln Phe Pro Arg Thr Phe Tyr Asp Ala Ile Glu Gln Leu Ile His
1 5 10 15

Gly Lys Gly Met Asp
20

<210> 1077

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1077

Cys Ala Gln Pro Glu Ser Phe Tyr Asp Ala Ile Asp Arg Leu Val Thr
1 5 10 15

Gly Arg Cys Leu Val

20

<210> 1078

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1078

Pro Asp Glu Cys Gln Ser Phe Tyr Cys Ala Ile Asp Arg Leu Val Thr
1 5 10 15

Gly Lys Gly Gly Arg

20

<210> 1079

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1079

Gln Arg Arg Ala Arg Asp Phe Tyr Glu Ala Ile Gln Gln Leu Val Gly
1 5 10 15

Gly Val Ala Gly Leu

20

<210> 1080

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1080
Pro Leu Val Arg Gly Thr Phe Tyr Asp Ala Ile Lys Gln Leu Val Met
1 5 10 15

Gly Gly Ser Ser Asp
20

<210> 1081
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1081
Val Gly Ile Ala Trp Thr Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
1 5 10 15

Gly Ser Pro Glu Gly
20

<210> 1082
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1082
Pro Arg Gly Gln Ala Ser Phe Tyr Asp Met Ile Glu Gln Leu Val Gly
1 5 10 15

Ser Ala Asp Trp Asn
20

<210> 1083
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1083
Asp Gly Arg Val Trp Ser Phe Tyr Asp Ala Leu Glu Gln Leu Val Gly
1 5 10 15

Gln Phe Glu Gly Pro
20

<210> 1084

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1084

Arg Phe Val Val Arg Ser Phe Tyr Asp Ala Ile Glu Gln Leu Ile Leu
1 5 10 15

Ala Pro Asn Leu Gly
20

<210> 1085

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1085

Lys Val Gly Arg Gly Ser Phe Tyr Asp Ala Ile Arg Glu Leu Val Gly
1 5 10 15

Gln Gly Gly His Val
20

<210> 1086

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1086

Pro Ala Ile Gly Phe Thr Phe Tyr Asp Ala Ile Arg Gln Leu Val Trp
1 5 10 15

Phe Gln Gly Ala Asp
20

<210> 1087

<211> 21

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1087

Ala Leu Pro Gly Arg Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
1 5 10 15

Pro Asp Trp Gly Ala
20

<210> 1088

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1088

Arg Pro Gln Gly Gly Thr Phe Tyr Asp Met Ile Lys Gln Leu Val Leu
1 5 10 15

Gly Ser Gly Trp Gly
20

<210> 1089

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1089

Trp Ser Ala Phe Ala Asp Phe Tyr Asp Ala Ile Gln His Leu Val Ala
1 5 10 15

Gly Glu Val Gly Ala
20

<210> 1090

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1090

Ser Asp Gly Arg Asp Gly Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
1 5 10 15

Ser Ala Phe Gly Asp
20

<210> 1091
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1091
Ile Arg Ser Val Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Lys Gly Gly Trp Ser
20

<210> 1092
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1092
Gly Gly Val Ser Leu Thr Phe Tyr Glu Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Gly Gly Phe Asp Ala
20

<210> 1093
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1093
Ala Ala Gln Ala Phe Ser Phe Tyr Asp Leu Ile Asn Gln Leu Val Ala
1 5 10 15

Ser Lys Pro Ser Glu
20

<210> 1094

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1094

Gln Ser Gly Ala Cys Gly Phe Tyr Asp Ala Ile Asn Gln Leu Val Leu
1 5 10 15

Gly Val Ser Ile Cys

20

<210> 1095

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1095

Gly Gly Ile Val Phe Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gly Asn Gly Ala Gly

20

<210> 1096

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1096

Ile Tyr Thr Gly Gln Gly Phe Tyr Asp Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Gly Gly Ser Thr Pro

20

<210> 1097

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1097

Lys Ser Pro Ala Leu Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
1 5 10 15Ser Gln Gly Val Arg
20

<210> 1098

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1098

Ile Ser Pro Pro Trp Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15Gly Ser Asp Gly Arg
20

<210> 1099

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1099

Gly Ser Arg Phe Arg Gly Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15Gln Gly Gly Leu Glu
20

<210> 1100

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1100

Gly Val Ala Gly Gly Thr Phe Tyr Asp Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Gln Phe Gly Gly Ser
20

<210> 1101
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1101
Arg Pro Leu Arg Trp Ser Phe Tyr Asp Ala Leu Asp Gln Leu Val Gly
1 5 10 15

Ser Ala Ile Gly Gly
20

<210> 1102
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1102
Met Gln Gly Arg Gly Gly Phe Tyr Asp Ala Ile Ala Asp Leu Val Gly
1 5 10 15

Gly His Val Arg Gly
20

<210> 1103
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1103
Thr Ser Gln Gly Leu Ser Phe Tyr Asp Ala Ile Asn Gln Leu Val Ala
1 5 10 15

Gly Gly Trp Gly Gly
20

<210> 1104
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1104
Ser Gly Gly Thr Val Thr Phe Tyr Asp Ala Ile Asn Gln Leu Val Gln
1 5 10 15

Gly Arg Tyr Asn Gly
20

<210> 1105
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1105
Gly Gly Ala Leu Asp Pro Phe Tyr Asp Ala Ile Tyr Gln Leu Val Ile
1 5 10 15

Arg Gly Ser Ser Gly
20

<210> 1106
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1106
Lys Gln Arg Gly Val Thr Phe Tyr Asp Leu Leu Asn Gln Leu Val Gly
1 5 10 15

Gly Ser Ala Arg Gly
20

<210> 1107
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1107

Pro Arg Ala Pro Arg Ser Phe Tyr Asp Ala Ile His Gln Leu Val Gly
1 5 10 15

Arg Gln Gly Pro Gly
20

<210> 1108

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1108

Pro Cys Ser Asp Asp Gln Phe Tyr Asp Ala Leu Ser Gln Leu Val Gly
1 5 10 15

Ile Arg Val Cys Pro
20

<210> 1109

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1109

Ser Tyr Gly Tyr Gln Ser Phe Tyr Asp Ala Ile Glu Glu Leu Val Arg
1 5 10 15

Gly Pro Pro Ala Arg
20

<210> 1110

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1110

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
1 5 10 15

Gly Thr Arg Asp
20

<210> 1111 .
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1111
Gln Gly Gly Ser Ala Ser Phe Tyr Asp Ala Ile Asp Arg Leu Leu Arg
1 5 10 15

Met Arg Ile Gly Gly
20

<210> 1112
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1112
Ala Gln Gly Ser Glu Gly Phe Tyr Asp Ala Leu Ala Gln Leu Val Gly
1 5 10 15

Gln Leu Val Ser Gly
20

<210> 1113
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1113
Gly His Pro Ala Val Ser Phe Tyr Asp Ala Ile Asp Gln Leu Leu Arg
1 5 10 15

Arg Arg Gly Gly Gly
20

<210> 1114

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1114
Tyr Ser Asp Thr Tyr Ser Phe Tyr Asp Ala Ile Val Gln Leu Val Arg
1 5 10 15
Arg Gly Ala Ser Ala
20

<210> 1115
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1115
Val Gly Thr Val Ala Gly Phe Tyr Asp Ala Ile Ala Gln Leu Val Ala
1 5 10 15
Arg Ala Ser Arg Val
20

<210> 1116
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1116
Arg Phe Val Trp Gly Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gln
1 5 10 15
Gly Arg Trp Arg Gly
20

<210> 1117
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1117
 Arg Ala Val Gly Asp Ser Phe Tyr Glu Ala Ile Gln Gln Leu Val Arg
 1 5 10 15

Gly Gly His Gly Val
 20

<210> 1118
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1118
 Leu Arg Ser Gln Leu Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Gln
 1 5 10 15

Trp Lys Gly Gly Ala
 20

<210> 1119
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1119
 Asp Lys Phe Phe Thr Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gln
 1 5 10 15

Ser Val Arg Gly Val
 20

<210> 1120
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1120
 Met Gln Ser Gly Phe Ser Phe Tyr Asp Ala Ile Asp Arg Leu Val Gly
 1 5 10 15

Arg Leu Gly Glu Arg
20

<210> 1121
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1121
Val Gly Ser Ser Ser Phe Tyr Glu Ala Ile Glu Arg Leu Val Gln Gly
1 5 10 15

Leu Gly Arg His
20

<210> 1122
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1122
Leu Ser Trp Ala Ala Gly Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Ser Gly Gly His Arg
20

<210> 1123
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1123
Gln Gln Val His Ala Gly Phe Tyr Glu Ala Leu Glu Glu Leu Val Gly
1 5 10 15

Phe Gly Phe Leu Gly
20

<210> 1124
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1124
Met Met Val Val Asp Gly Phe Tyr Asp Ala Leu His Gln Leu Val Val
1 5 10 15

Ala Gln Ser Leu Gly
20

<210> 1125
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1125
Leu Ser Val Ala Leu Ser Phe Tyr Asp Ala Leu Gly Gln Leu Val Ala
1 5 10 15

Gly Glu Gly Arg Trp
20

<210> 1126
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1126
Ser Gly Ser Asn Leu Gly Phe Tyr Asp Ala Leu Arg Gln Leu Val Gly
1 5 10 15

Ala Thr Asp Gly Ser
20

<210> 1127
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1127
Pro Ser Gly Phe Leu Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val His
1 5 10 15

Gly Val Arg Trp Phe
20

<210> 1128
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1128
Ala Phe Thr Pro Thr Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Gln
1 5 10 15

Gln Leu Ser Pro Arg
20

<210> 1129
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1129
Val Ser Ser Leu Arg Ser Phe Tyr Asp Ala Leu Asp Glu Leu Val Arg
1 5 10 15

Arg Pro Phe Gln Gln
20

<210> 1130
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1130
Val Ser Met Pro Gln Ser Phe Tyr Asp Ala Leu Lys Gln Leu Val Arg
1 5 10 15

Gly Ile Ser Glu Gly
20

<210> 1131

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1131

Ile Gly Val Ser Arg Gly Phe Tyr Asp Ala Ile Asp Lys Leu Val Arg
1 5 10 15

Asp Arg Gly Ser Pro

20

<210> 1132

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1132

Gly Arg Ser Leu Leu Ser Phe Tyr Asp Leu Ile Asp Gln Leu Val Gln
1 5 10 15

Ala Gly Asn Gly Gly

20

<210> 1133

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1133

Gly Gln Arg Ala Gln Ser Phe Tyr Glu Ala Leu Ala Arg Leu Val Cys
1 5 10 15

Glu Gly Arg Cys Thr

20

<210> 1134

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1134

Cys Arg Phe Gln Gly Ser Phe Tyr Asp Ala Ile Asp Leu Leu Val Leu
1 5 10 15

Gly Val Arg Thr Cys
20

<210> 1135

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1135

Arg Trp Ala Phe Gln Ser Phe Tyr Asp Ala Ile Asp His Leu Val Asn
1 5 10 15

His Arg Glu Gly His
20

<210> 1136

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1136

Leu Pro Pro Ser Ser Gly Phe Tyr Asn Ala Ile Gln Gln Leu Val Cys
1 5 10 15

Gly His Arg Gly Cys
20

<210> 1137

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1137
Thr Gly Val Phe Asn Asp Phe Tyr Asp Ala Leu Gln Gln Leu Val Gly
1 5 10 15

Phe Arg Val Arg Asp
20

<210> 1138
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1138
Tyr Gly Ser Phe Glu Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Arg Gly Ser Gln Pro
20

<210> 1139
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1139
Arg Gln Leu Leu Asp Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Ser Glu Ser Arg Pro
20

<210> 1140
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1140
Trp Pro Arg Gly Asp Pro Phe Tyr Asp Ala Met Glu Lys Leu Leu Ser
1 5 10 15

Gln Gly Gly Gly Arg
20

<210> 1141

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1141

Pro Gly Leu Ile Gln Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gln Gly Arg Gly Asn

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<210> 1142

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1142

Met Asn Val Phe Val Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Cys
1 5 10 15

Gln Arg Ile Gly Cys

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<210> 1143

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1143

Leu Asp Met Ile Gly Gly Phe Tyr Glu Ala Ile Asp Gln Leu Val Ser
1 5 10 15

Gly Ser Leu Ala Pro

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<210> 1144

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1144

Arg Arg Pro Cys Asn Ser Phe Tyr Asp Ala Ile Gln Gln Leu Leu Val
1 5 10 15Gly Gly Pro Cys Gly
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<210> 1145

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1145

Phe Gly Arg Arg Ser Thr Phe Tyr Asp Leu Ile Asp Gln Leu Val Gly
1 5 10 15Gln Gly Arg Gly Thr
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<210> 1146

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1146

Leu Arg Ala Pro Arg Ser Phe Tyr Glu Ala Ile Tyr Gln Leu Ala Gln
1 5 10 15Arg Pro Ser Val Pro
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<210> 1147

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1147

Val Gln Arg Phe Ser Ser Phe Tyr Asp Ala Leu Asp Gln Leu Val Gly
 1 5 10 15

His Gly Val Trp Lys
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<210> 1148

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1148

Pro Ser Ala Arg Met Gly Phe Tyr Asp Leu Ile Asp Gln Leu Val Gly
 1 5 10 15

Leu Val Pro Gly Ser
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<210> 1149

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1149

Ser Leu Gln Pro His Asp Phe Tyr Asp Ala Ile His Arg Leu Val Phe
 1 5 10 15

His Gly Gly Arg Phe
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<210> 1150

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1150

Glu Arg His Gly Gly Ser Phe Tyr Asp Ala Ile Ala Gln Leu Leu Gln
 1 5 10 15

Ser Asp Arg Ser Arg
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<210> 1151

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1151

Tyr Gln Pro Pro Gly Ser Phe Tyr Asp Trp Ile Arg Glu Leu Val Ala
1 5 10 15

Gly Pro Arg Arg Glu
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<210> 1152

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1152

Phe Ala His Ala Ser Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Ala
1 5 10 15

Lys Cys Gln Ser Pro
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<210> 1153

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1153

Ala Gln Ser Ser Ser Gly Phe Tyr Glu Ala Leu Tyr Gln Leu Val Trp
1 5 10 15

Gly Arg Gly Pro Gly
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<210> 1154

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1154

Thr Thr Ser Gly Gly Ser Phe Tyr Asp Ala Met Tyr Gln Leu Val Trp
1 5 10 15Gly Asp Trp Arg Arg
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<210> 1155

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1155

Ala Arg Gly Thr Ala Gly Phe Tyr Ala Glu Leu Glu Arg Leu Val Arg
1 5 10 15Gly Gln Asp His Gly
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<210> 1156

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1156

Pro Arg His Ala Ile Asn Phe Tyr Asp Ala Ile His Gln Leu Val Phe
1 5 10 15Gly Pro Gly Arg Gln
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<210> 1157

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1157

Gln Ser Ala His Trp Ser Phe Tyr Asp Ala Ile Glu Arg Leu Val Asn
1 5 10 15

Met Asp Thr Met Pro
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<210> 1158
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1158
Val Gly Val Val Ser Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Trp Asp Arg Gly Ser
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<210> 1159
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1159
Asp Thr Leu Ile Ala Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Leu Gly Arg Asn Gln
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<210> 1160
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1160
Phe Gln Gly Thr Gln Gly Phe Tyr Asp Ala Ile Glu Arg Leu Met Arg
1 5 10 15

Arg Gly Glu Arg Pro
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<210> 1161

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1161

Trp Ala Asp Trp Gly Ser Phe Tyr Asp Ala Ile Glu Gln Leu Val Gln
1 5 10 15

Arg Gly Gly Gly Val

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<210> 1162

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1162

Glu Gln Leu Ser Cys Gly Phe Tyr Asp Ala Ile His Gln Leu Val His
1 5 10 15

Gly Gly Gly Leu Gly

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<210> 1163

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1163

Cys Gly Gln Arg Cys Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Trp Leu Pro Gly Ala

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<210> 1164

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1164

Met Met Arg Val Asp Gly Phe Tyr Glu Ala Ile Asp Arg Leu Val Asn
1 5 10 15

Glu Gly Gln Ala Thr
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<210> 1165

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1165

Arg Gly Gln Ala Thr Ser Phe Tyr Glu Ala Ile Asp Gln Leu Met Gly
1 5 10 15

Gly Ser Gly Gly Val
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<210> 1166

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1166

Gly His Tyr Phe Gly Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Ala
1 5 10 15

Gly Met Leu Pro Gly
20

<210> 1167

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1167

Pro Glu Gly Val Gln Gly Phe Tyr Asp Ala Leu Ala His Leu Val Gly
1 5 10 15

Gly Ser Leu Phe Gly
20

<210> 1168
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1168
Ile Gly Val Leu Gly Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gln Gly Gly Asn Arg
20

<210> 1169
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1169
Arg Asp Val Ala Asp Gly Phe Tyr Ala Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Gly Gln Phe Gly Leu
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<210> 1170
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1170
Val Arg Gln Ala Lys Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gly Ala Leu Arg Gly
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<210> 1171

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1171
Gln Val Phe Arg Gly Ser Phe Tyr Asp Ala Ile Asp Ala Leu Val Arg
1 5 10 15

Trp Gly Gly Arg Ala
20

<210> 1172
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1172
Val Gly Ala Ala Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Trp Ser Pro Gly Ser
20

<210> 1173
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1173
Pro Ser Pro Val Trp Ser Phe Tyr Asp Ala Ile Gln Gln Leu Val Arg
1 5 10 15

Ser Gly Gln Arg Gly
20

<210> 1174
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1174
Pro Val Ser Ala Thr Ser Phe Tyr Asp Ala Ile Asn Gln Leu Val Arg
1 5 10 15

Met Gly Ser Arg Gly
20

<210> 1175
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1175
Val Met Arg Arg Asp Arg Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
1 5 10 15

Gly Arg Ile Gly Val
20

<210> 1176
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1176
Thr Thr Tyr Val Asn Ser Phe Tyr Asp Ala Leu Gln Gln Leu Leu Gly
1 5 10 15

Gly Asp Ala Asp Val
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<210> 1177
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1177
Leu Ser Asn Met Ile Thr Phe Tyr Asp Ala Ile Asn Gln Leu Val Gly
1 5 10 15

His Val Gln Ser Leu
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<210> 1178
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1178
Ala Ser Ser Arg Leu Ser Phe Tyr Asp Ala Ile Glu Gln Leu Ile Lys
1 5 10 15

Trp Ser Pro Gly Pro
20

<210> 1179
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1179
Trp Asp Leu Val Asp Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Gln Arg Val Pro Gly
20

<210> 1180
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1180
Phe Ala Phe Val Gly Ser Phe Tyr Asp Ala Leu Ala Gln Leu Val Ala
1 5 10 15

Gln Gly Pro Arg Ser
20

<210> 1181
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1181
Glu Asp Gln Pro Asn Ser Phe Tyr Asp Ala Ile Arg Gln Leu Val Met
1 5 10 15

Gly Arg Leu Ser Pro
20

<210> 1182
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1182
Ser Val Gly Pro Arg Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Gly
1 5 10 15

Gly Ala Trp Val Gly
20

<210> 1183
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1183
Lys Phe Arg Val Tyr Thr Phe Tyr Asp Ala Ile Asp Gln Leu Val Asn
1 5 10 15

Gln Gly Arg Gly Arg
20

<210> 1184
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1184

Gly Arg Gly Trp Gly Ser Phe Tyr Glu Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Gly Leu Gly Glu Thr
20

<210> 1185

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1185

Phe Thr Ser Phe His Thr Phe Tyr Asp Ala Ile Glu Gln Leu Val Gly
1 5 10 15

Gln Gly Gly Asp Pro
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<210> 1186

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1186

Ala Gly Ser Val Thr Ser Phe Tyr Asp Ala Met Glu Gln Leu Val Ala
1 5 10 15

Thr Gly Thr Ser Ala
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<210> 1187

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1187

Pro Arg Glu Ser Phe Ser Phe Tyr Asp Ala Ile His Gln Leu Val Thr
1 5 10 15

Gly Arg Val Arg Ser
20

<210> 1188
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1188
Leu Gly Arg Ala Asp Gly Phe Tyr Asp Ala Ile Lys Gln Leu Val Gly
1 5 10 15

Ala Asp Trp Gly Gly
20

<210> 1189
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1189
Arg Ser Gly Thr Trp Thr Phe Tyr Asp Ala Leu Glu Leu Leu Val Gln
1 5 10 15

Gly Ser Gly Ser Arg
20

<210> 1190
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1190
Pro Val Val Leu Phe Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Lys Gly Leu Gly Pro
20

<210> 1191
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1191

Gly Arg Arg Ala Gln Thr Phe Tyr Asp Ala Leu Glu Gln Leu Val Gly
1 5 10 15

Gly Glu Ala Leu Gly
20

<210> 1192

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1192

Ala Gly Pro Asp Met Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val His
1 5 10 15

Cys Cys Gly Pro Phe
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<210> 1193

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1193

His Gly Glu Lys Leu Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
1 5 10 15

Phe Asp Ile Gly His
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<210> 1194

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1194

Gly Tyr Thr Pro Val Asp Phe Tyr Asp Ala Ile Arg Gln Leu Val Thr
1 5 10 15

Gly Gly Trp Pro Gly
20

<210> 1195

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1195

Phe Gly Gly Phe Ser Ser Phe Tyr Asp Ala Leu Asp Gln Leu Ala Arg
1 5 10 15

Gly Arg Gly Ser Asp
20

<210> 1196

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1196

Val Gly Ile Val Arg Gly Phe Tyr Glu Ala Ile Glu Arg Leu Val Gly
1 5 10 15

Asp Thr His Gly Gln
20

<210> 1197

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1197

Thr Pro Gly Gly Phe Ser Phe Tyr Asp Ala Ile Gln Gln Leu Val Asp
1 5 10 15

Val Leu Ser Asp Ser
20

<210> 1198

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1198

Thr Asn Ala Ala Leu Thr Phe Tyr Asp Ala Ile Glu Gln Leu Val Arg
1 5 10 15

Trp Gly Gln Arg Asp

20

<210> 1199

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1199

Gly Gln Ser Pro Leu Ser Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg
1 5 10 15

Ala Phe Pro Val Gly

20

<210> 1200

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1200

Ala Gly Gln Leu Gly Gly Phe Tyr Ile Ala Ile Cys Gln Leu Val Gly
1 5 10 15

Tyr Glu Tyr Cys Thr

20

<210> 1201

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1201

Ser Ala Gly Pro Leu Ser Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
1 5 10 15Pro Ala Trp Arg Leu
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<210> 1202

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1202

Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser Ala Arg Ala Gly
1 5 10 15Gly Thr Arg Asp
20

<210> 1203

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1203

Ala Gly Val Asn Ala Gly Phe Tyr Arg Tyr Phe Ser Thr Leu Leu Asp
1 5 10 15Trp Trp Asp Gln Gly
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<210> 1204

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1204

Ser Val Lys Glu Val Gln Phe Tyr Arg Tyr Phe Tyr Asp Leu Leu Gln
1 5 10 15

Ser Glu Glu Ser Gly
20

<210> 1205
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1205
Ile Glu Val Thr Gln Pro Phe Tyr Asp Tyr Phe Gln Gln Leu Leu Arg
1 5 10 15

Leu Tyr Gly Asn Asp
20

<210> 1206
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1206
Val Gln Cys Arg Ala Asp Phe Tyr Ser Tyr Phe Ala Cys Leu Val Gly
1 5 10 15

Arg Pro Gly Ser Arg
20

<210> 1207
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1207
Arg Asn Tyr Pro Ile Gly Phe Tyr Gln Phe Phe His Glu Leu Val Ile
1 5 10 15

Ser Ser Gly Gly Gly
20

<210> 1208
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1208
Asp Leu Gly Gly Asn Ser Phe Tyr Tyr Gly Leu Leu Arg Leu Val Leu
1 5 10 15

Gln Asp Ala Val Gly
20

<210> 1209
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1209
Cys Lys Asp Gln Pro Asp Phe Tyr Met Gly Ile Lys Cys Leu Ile Ser
1 5 10 15

Gly Gly Gly Ser Val
20

<210> 1210
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1210
Ala Cys Glu Gly Gly Ser Phe Tyr Gly Cys Leu Gln Ser Leu Met Ser
1 5 10 15

Val Glu Ser Gly Asn
20

<210> 1211
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1211

Ala Val His Glu Asp Gly Phe Tyr Asp Met Leu Arg Lys Leu Leu Ser
1 5 10 15Glu Gly Asp Ser Ser
20

<210> 1212

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1212

Leu Ala Arg Asn Asp Glu Phe Tyr Arg Tyr Phe Glu Gln Leu Val Phe
1 5 10 15Gly Asp Thr Glu Gly
20

<210> 1213

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1213

Ala Thr Cys Ala Ser Ser Phe Tyr Ala Gln Leu Asn Cys Leu Leu Ser
1 5 10 15Asp Phe Asp Val Met
20

<210> 1214

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1214

Val Gln Ala Cys Gln Asn Phe Tyr Asp Cys Leu Asn Thr Leu Leu
1 5 10 15

Leu Asp Leu Gly Gly
20

<210> 1215
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1215
Ile Arg Gly Ala Asp Gln Phe Tyr Gln Phe Phe Arg Glu Leu Leu Glu
1 5 10 15

Gly Ser Val Gly Glu
20

<210> 1216
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1216
Arg Ala Gly Ser Arg Gly Phe Tyr Glu Phe Phe Glu Asn Leu Leu Arg
1 5 10 15

Val Gly Ala Gly Gly
20

<210> 1217
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1217
Ala Gln Arg Cys Ala Asp Phe Tyr Ala Cys Ile Glu Glu Leu Leu Ala
1 5 10 15

Pro Gly Ser Trp Arg
20

<210> 1218

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1218

Pro Gly Gly Gly Glu Gly Phe Tyr Gln Gly Leu Gln Arg Leu Ile Leu
1 5 10 15

Gly Ala Asp Gly Gly

20

<210> 1219

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1219

Gln Lys Arg Ser Glu Ala Phe Tyr Asp Trp Ile Ala Asp Leu Leu Gly
1 5 10 15

Gln Glu Thr Ser Gly

20

<210> 1220

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1220

Trp Gly Leu Arg Asp Asp Phe Tyr Arg Gly Ile Arg Cys Leu Val Gln
1 5 10 15

Trp Ser Glu Gly Cys

20

<210> 1221

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1221

Asp Ser Thr Val Cys Gly Phe Tyr Cys Arg Leu Ala Gln Leu Val Ala
1 5 10 15

Glu Gly Gly Ser Pro
20

<210> 1222

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1222

Gln His Ser Cys Arg Thr Phe Tyr Asp Cys Ile Arg Val Leu Met Asp
1 5 10 15

Asp Gly Gln Leu Gly
20

<210> 1223

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1223

Trp Ser Gly Asn Val Asp Phe Tyr Tyr Met Ile Arg Gln Leu Cys Gly
1 5 10 15

Asp Val Cys Gly Ser
20

<210> 1224

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1224

Gln Thr Val His Arg Asp Phe Tyr Ala Ala Leu Gln Asp Leu Leu Ile
1 5 10 15

Asn Asp Leu Gly Phe
20

<210> 1225
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1225
Ser Ser Gly Cys Gln Asp Phe Tyr Ser Cys Met Ile Gln Leu Val Thr
1 5 10 15

Gly Gly Gly Gly Asp
20

<210> 1226
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1226
Ser Gly Pro Met Val Gly Phe Tyr Arg Gly Leu Phe Ser Leu Leu Ser
1 5 10 15

Pro Glu Asp Leu Gln
20

<210> 1227
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1227
Leu Ala Glu Pro Asp Ser Phe Tyr Asn Trp Ile Ala Gln Leu Leu Glu
1 5 10 15

Glu Gly Phe Ala Gly
20

<210> 1228

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1228
Phe Ser Gly Cys Asp Asn Phe Tyr Ser Cys Ile Gln Ser Leu Trp Leu
1 5 10 15
Gly Pro Gly Gly Val
20

<210> 1229
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1229
Gln Val Phe Cys Asp Asn Phe Tyr His Cys Ile Glu Thr Leu Leu Gly
1 5 10 15
Val Gly Gln Thr Pro
20

<210> 1230
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1230
Arg Gly Arg Asp Asn Gln Phe Tyr His Gly Leu Trp Ala Leu Leu Leu
1 5 10 15
Gly Ser Gly Leu Glu
20

<210> 1231
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1231
Val Ser Gly Arg Gly Gly Phe Tyr Asp Ala Ile Arg Asp Leu Ile Gly
1 5 10 15

Pro Arg Asp Gln Gly
20

<210> 1232
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1232
Pro Val Val Leu Asp Asp Phe Tyr Val Ala Leu Cys Gln Leu Met Val
1 5 10 15

Gln Gly Asp Cys Phe
20

<210> 1233
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1233
Pro Asp Ile Ala Asp Pro Phe Tyr Ala Phe Phe Gln Gly Leu Leu Arg
1 5 10 15

Ala Asp Thr Pro Ile
20

<210> 1234
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1234
Val Ala Gln Cys Thr Asp Phe Tyr Ala Cys Ile Arg Ser Leu Val Arg
1 5 10 15

Ser Gly Ser Pro Gly
20

<210> 1235
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1235
Cys Ser Gln Leu Val Ser Phe Tyr Leu Gly Met Asp Cys Leu Leu Gly
1 5 10 15

Arg Gly Gly Thr Gln
20

<210> 1236
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1236
Pro Leu Ala Cys Ala Asp Phe Tyr Gln Cys Leu Ser Asp Leu Ile Arg
1 5 10 15

Gly Gly Pro Ala Trp
20

<210> 1237
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1237
Val Val Ile Cys Thr Gly Phe Tyr Asp Cys Ile Tyr Gln Leu Val Gly
1 5 10 15

Ser His Glu Glu Met
20

<210> 1238
<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1238

Cys Val Asp Arg Arg Thr Phe Tyr Glu Gly Leu Gln Cys Leu Leu Gly
1 5 10 15

Gly Ala Thr Gly Asp

20

<210> 1239

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1239

Val Asn Leu Arg Asp Pro Phe Tyr Gln Trp Ile Glu Ala Leu Met Asp
1 5 10 15

Ser Ala Gly Gly Glu

20

<210> 1240

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1240

Leu Thr Ser Ser Thr Ser Phe Tyr Asp Ala Leu Phe Cys Leu Ala Gly
1 5 10 15

Leu Gln Leu Cys Gly

20

<210> 1241

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1241

Asp Phe Asp Ser Ser Pro Phe Tyr Arg Gly Leu Arg Gln Leu Leu Glu
1 5 10 15

Ser Arg Ser Phe Pro
20

<210> 1242

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1242

His Glu Ala Gly Trp Thr Phe Tyr Asp Ala Ile Gln Cys Leu Val Gly
1 5 10 15

Gly Trp Cys Ser Lys
20

<210> 1243

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1243

Cys Gln Gln Trp Arg Ser Phe Tyr His Ala Val Ser Cys Leu Leu Gly
1 5 10 15

Pro Asp Asp Pro Asp
20

<210> 1244

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1244

Met Val Asp Arg Asp Pro Phe Tyr Gln Gly Leu Arg Asp Leu Ile Gly
1 5 10 15

Arg Gln Glu Lys Gly
20

<210> 1245
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1245
Leu Gly Arg Arg Gly Gly Phe Tyr Arg Gly Leu Gln Asp Leu Ile Gly
1 5 10 15
Thr Gln Trp Pro Arg
20

<210> 1246
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1246
Asp Ala Leu Asn Leu Arg Phe Tyr Ser Tyr Phe Gln His Leu Met Glu
1 5 10 15
Asp Gln Val Thr Asp
20

<210> 1247
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1247
Gly Asn Ser Gly Gly Ser Phe Tyr Arg Tyr Phe Gln Leu Leu Leu Asp
1 5 10 15
Ser Asp Gly Met Ser
20

<210> 1248
<211> 21
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1248

Gly Asp Arg Val Pro Gly Phe Tyr Asp Trp Ile Arg Gln Leu Met Val
1 5 10 15

Asp Pro Leu Glu Val

20

<210> 1249

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1249

Ser Glu Arg Glu Asp Pro Phe Tyr Arg Trp Ile Gln Ala Met Val Glu
1 5 10 15

Gly Val Ser Glu Gly

20

<210> 1250

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1250

Gly Ser Val Ala Cys Asp Phe Tyr Cys His Met Trp Ser Leu Val Glu
1 5 10 15

Gln Pro Ala Gly Thr

20

<210> 1251

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1251
Val His Pro Ser Ala Gly Phe Tyr Lys Gly Leu Leu Ala Leu Ile Gly
1 5 10 15

Asp Ser Gln Leu Gly
20

<210> 1252
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1252
Phe Cys Gly Gly Leu Ser Phe Tyr Gly Cys Leu Gln Glu Leu Leu Thr
1 5 10 15

Trp Glu Ser Pro Thr
20

<210> 1253
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1253
Gln Ser Gly Ser Gly Asp Phe Tyr Asp Trp Leu Ser Arg Leu Ile Arg
1 5 10 15

Gly Asn Gly Asp Gly
20

<210> 1254
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1254
Leu Pro Arg Gln Asp Gly Phe Tyr Asp Ala Leu Arg Arg Leu Ile Ser
1 5 10 15

Glu Gly Ala Gly Gly
20

<210> 1255
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1255
Leu Gln Pro Cys Ser Gly Phe Tyr Glu Cys Ile Glu Arg Leu Ile Gly
1 5 10 15

Val Lys Leu Ser Gly
20

<210> 1256
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1256
Gly Val Arg Ala Met Ser Phe Tyr Asp Ala Leu Val Ser Val Leu Gly
1 5 10 15

Leu Gly Pro Ser Gly
20

<210> 1257
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1257
Val Glu Gly Arg Gly Leu Phe Tyr Asp Leu Leu Arg Gln Leu Leu Ala
1 5 10 15

Arg Arg Gln Asn Gly
20

<210> 1258
<211> 21
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1258

Lys Leu His Asn Leu Met Phe Tyr Tyr Gly Leu Gln Arg Leu Val Trp
1 5 10 15

Gly Ala Gly Leu Gly

20

<210> 1259

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1259

Gly Asn Gly Asp Gly Met Phe Tyr Gln Leu Leu Ser Leu Leu Val Gly
1 5 10 15

Arg Asp Met His Val

20

<210> 1260

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1260

Pro Asp Leu His Lys Gly Phe Tyr Ala Gln Leu Ala Gln Leu Ile Arg
1 5 10 15

Gly Gln Leu Leu Ser

20

<210> 1261

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1261

Tyr Ser Cys Gly Asp Gly Phe Tyr Ser Leu Leu Ser Asp Leu Leu Gly
1 5 10 15

Gly Gln Phe Arg Cys
20

<210> 1262
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1262
Ile Gln Gln Glu Leu Thr Phe Tyr Asp Leu Leu His Arg Leu Val Arg
1 5 10 15

Ser Glu Leu Gly Ser
20

<210> 1263
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1263
Gly Gly Thr Glu Val Asp Phe Tyr Arg Ala Leu Glu Arg Leu Val Arg
1 5 10 15

Gly Gln Leu Gly Leu
20

<210> 1264
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1264
Leu Arg Ile Ala Asn Leu Phe Tyr Gln Arg Leu Trp Asp Leu Ala Phe
1 5 10 15

Gly Gly Gly Gly
20

<210> 1265

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1265

Pro Val Gly Val Gln Gly Phe Tyr Glu Gly Leu Ser Arg Leu Val Leu
1 5 10 15

Gly Arg Gly Gly Trp

20

<210> 1266

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1266

Arg Phe Ser Thr Asp Gly Phe Tyr Gln Tyr Leu Leu Ala Leu Val Gly
1 5 10 15

Gly Gly Pro Val Gly

20

<210> 1267

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1267

Asn Ser Arg Asp Gly Gly Phe Tyr Leu Gln Leu Glu Arg Leu Leu Gly
1 5 10 15

Phe Pro Val Thr Gly

20

<210> 1268

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1268

Val Val Thr Pro Val Asn Phe Tyr Arg Ala Leu Glu Ala Leu Val Arg
1 5 10 15Gly Gln Arg Leu Gly
20

<210> 1269

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1269

Gln Pro Ala Pro Asp Gly Phe Tyr Ser Ala Leu Met Lys Leu Ile Gly
1 5 10 15Arg Gly Gly Val Ser
20

<210> 1270

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1270

Pro Gly Thr Asp Leu Gly Phe Tyr Gln Ala Leu Arg Cys Val Val Ile
1 5 10 15Gln Gly Ala Cys Asp
20

<210> 1271

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1271

Ala Gln Pro Cys Gly Gly Phe Tyr Gly Leu Leu Glu Gln Leu Val Gly
1 5 10 15

Arg Ser Val Cys Asp
20

<210> 1272
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1272
Gln Pro Asp His Ser Tyr Phe Tyr Ser Leu Leu Gln Glu Leu Val Gly
1 5 10 15

Ser Glu Glu Arg Leu
20

<210> 1273
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1273
Leu Gly Val Thr Asp Gly Phe Tyr Ala Ala Leu Gly Tyr Leu Ile His
1 5 10 15

Gly Val Gly Gln Phe
20

<210> 1274
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1274
Cys Met Met Gln Asp Gly Phe Tyr Ala Gly Leu Gly Cys Leu Leu Thr
1 5 10 15

Ala Gly Glu Gly Arg
20

<210> 1275

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1275

Ile Cys Thr Gly Gln Gly Phe Tyr Gln Val Leu Cys Gly Leu Leu Arg
1 5 10 15

Gly Thr Ser Ala Arg

20

<210> 1276

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1276

Gln Gly Asn Val Leu Asp Phe Tyr Gly Trp Ile Gly Arg Leu Leu Ala
1 5 10 15

Lys Gln Gly Ser Asp

20

<210> 1277

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1277

Val Ala Thr Ser Gln Gly Phe Tyr Ser Gly Leu Ser Glu Leu Leu Gln
1 5 10 15

Gly Gly Gly Asn Val

20

<210> 1278

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1278

Ile Trp Ala Thr Gly Asp Phe Tyr Arg Leu Leu Ser Gln Leu Val Met
1 5 10 15

Gly Arg Val Gly Thr
20

<210> 1279

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1279

Arg Gln Gly Thr Gly Ser Phe Tyr Leu Met Leu Glu Gln Leu Leu Val
1 5 10 15

Gly Ala Arg Gly Pro
20

<210> 1280

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1280

Asp Ser Val Gly Asp Asn Phe Tyr Gln Leu Leu Glu Ser Leu Val Gly
1 5 10 15

Gly His Gly Val Gly
20

<210> 1281

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1281

Leu Ser Ser Asp Gly Gln Phe Tyr Arg Ala Leu Asn Leu Leu Gln
1 5 10 15

Gly Ser Ala Gly Arg
20

<210> 1282
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1282
Ala Ser Ser Ala Ser Gly Phe Tyr Glu Leu Leu Gln Arg Leu Ala Gly
1 5 10 15

Leu Gly Leu Glu Val
20

<210> 1283
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1283
Cys Gly Ser Arg Arg Asp Phe Tyr Gly Gly Ile Ile Cys Leu Leu Gly
1 5 10 15

Gln Lys Gly Val Val
20

<210> 1284
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1284
Pro Ala Gly Pro Cys Gly Phe Tyr Cys Gly Leu Gly Leu Leu Leu His
1 5 10 15

Gly Asp Gln Ser Pro
20

<210> 1285

<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1285
Gln Ala Ala Pro Gln Asp Phe Tyr Gln Gly Leu Trp Leu Leu Ile His
1 5 10 15

Arg Asp Pro Thr Met
20

<210> 1286
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1286
Arg Cys Gln Gly Thr Gly Phe Tyr Thr Cys Ile Gln Glu Leu Ile Gly
1 5 10 15

Phe Gly Asp Pro Asp
20

<210> 1287
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1287
Thr Leu Arg Ser Pro Thr Phe Tyr Asp Trp Leu Glu Met Val Leu Thr
1 5 10 15

His Gly Gln Gly Gly
20

<210> 1288
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1288
 Ser Thr His Ser Arg Ala Phe Tyr Asp Ala Ile Ala Gln Leu Val Gly
 1 5 10 15

Ser Val Leu Gly Pro
 20

<210> 1289
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1289
 Arg Gln Gly Gly Gly Ser Phe Tyr Glu Leu Leu Cys Gly Leu Val Gly
 1 5 10 15

Gly Glu Val Cys Val
 20

<210> 1290
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1290
 Arg Gln Gln Ala Ser Gly Phe Tyr Arg Ala Leu His Asp Leu Met Leu
 1 5 10 15

Arg Thr Gln Asp Tyr
 20

<210> 1291
 <211> 21
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 1291
 Ser Arg Ala Asn Asn Leu Phe Tyr Met Gly Leu Ser Gln Leu Leu Arg
 1 5 10 15

Asp Asn Arg Gly Leu
20

<210> 1292
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1292
Gly Arg Ala Leu Asp Pro Phe Tyr Asp Gln Leu Arg Asp Leu Val Ala
1 5 10 15

Arg Ser Gly Gly Gly
20

<210> 1293
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1293
Glu Ala Ser Cys Arg Thr Phe Tyr Cys Gly Leu Met Ala Leu Ile Gly
1 5 10 15

Gly Asp Asp Gln Arg
20

<210> 1294
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1294
Gln Asn Gly Cys Lys Asp Phe Tyr Cys Leu Ile Asp Asn Leu Ile Arg
1 5 10 15

Tyr Gly Pro Gly Gly
20

<210> 1295
<211> 21

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1295
Gln His Ser Cys Arg Thr Phe Tyr Asp Cys Ile Arg Val Leu Met Asp
1 5 10 15

Asp Gly Gln Leu Gly
20

<210> 1296
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1296
Leu Asp Ser Arg Arg Gly Phe Tyr Asp Trp Ile Lys Ala Leu Ile Gly
1 5 10 15

Asp Arg Asp Val Gln
20

<210> 1297
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1297
Cys Gln Gln Lys Gly Asp Phe Tyr Ala Gly Leu Val Cys Leu Leu Arg
1 5 10 15

Glu Arg Ala Ser Gln
20

<210> 1298
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1298

Gly Gly Ser Gln Gln Ser Phe Tyr Asp Val Met Cys Met Leu Leu Gln
1 5 10 15

Leu Asp Pro Thr Cys
20

<210> 1299

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1299

Val Glu Ser Asp Val Ser Phe Tyr Glu Gly Leu Met Arg Leu Val Trp
1 5 10 15

Trp Gly Gln Gly Gly
20

<210> 1300

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1300

Glu Arg Ala Gly Asp Leu Phe Tyr Gln Trp Phe Glu Arg Leu Val Ala
1 5 10 15

Gly His Gly Leu Glu
20

<210> 1301

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1301

Arg Met Pro Ser Gly Ser Phe Tyr Gln Gly Ile Tyr Glu Leu Val Thr
1 5 10 15

Arg Gln Gly Gly Phe
20

<210> 1302

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1302

Xaa Xaa Xaa Xaa Xaa Xaa Phe Tyr Arg Tyr Phe Xaa Xaa Leu Leu Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa

20

<210> 1303

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1303

Arg Trp Pro Asn Phe Tyr Gly Tyr Phe Glu Ser Leu Leu Thr His Phe
1 5 10 15

Ser

<210> 1304

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1304

His Tyr Asn Ala Phe Tyr Glu Tyr Phe Gln Val Leu Leu Ala Glu Thr
1 5 10 15

Trp

<210> 1305
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1305
Glu Gly Trp Asp Phe Tyr Ser Tyr Phe Ser Gly Leu Leu Ala Ser Val
1 5 10 15

Thr

<210> 1306
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1306
Leu Asp Arg Gln Phe Tyr Arg Tyr Phe Gln Asp Leu Leu Val Gly Phe
1 5 10 15

Met

<210> 1307
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1307
Trp Gly Arg Ser Phe Tyr Arg Tyr Phe Glu Thr Leu Leu Ala Gln Gly
1 5 10 15

Ile

<210> 1308
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1308

Arg Arg Glu Gly Phe Tyr His Tyr Phe Gln Ser Leu Leu Asp Glu Tyr
1 5 10 15

Gly

<210> 1309

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1309

Gly Gly Gly Gln Phe Tyr Arg Tyr Phe Ile Asp Met Leu Val Leu Asp
1 5 10 15

Ile

<210> 1310

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1310

Pro Thr Gly Pro Phe Asp Arg Tyr Phe Ala Arg Arg Leu Val Trp Arg
1 5 10 15

Gly

<210> 1311

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1311

Arg Gly Gly Ala Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Ser Gln His
1 5 10 15

Asn

<210> 1312
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1312
 Trp Arg Asp Pro Phe Tyr Arg Tyr Phe Gln Asp Leu Leu Glu Gly Glu
 1 5 10 15

Arg

<210> 1313
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1313
 Trp Gly Gly Glu Phe Tyr Arg Tyr Phe Val Gln Leu Leu Ser Ser Glu
 1 5 10 15

Asp

<210> 1314
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1314
 Gly Arg Glu Ser Phe Tyr Gly Tyr Phe Leu Asp Leu Leu Gln Glu Thr
 1 5 10 15

Val

<210> 1315

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1315
Gly His Ala Glu Phe Tyr Gly Tyr Phe Gln Gly Leu Leu Asp Ser Tyr
1 5 10 15

Leu

<210> 1316
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1316
Gly Gly Glu Ala Phe Tyr Arg Tyr Phe Trp Gly Leu Leu Thr Glu Trp
1 5 10 15

Glu

<210> 1317
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1317
Leu Ser Ser Gly Phe Tyr Arg Tyr Phe Thr Gly Leu Leu Ser Asp Gly
1 5 10 15

Gln

<210> 1318
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1318
Asp Pro Gly Ala Phe Tyr Arg Tyr Phe Ala Gln Leu Met Asp Thr Trp
1 5 10 15

Asn

<210> 1319
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1319
Lys His Glu Gln Phe Tyr Glu Tyr Phe Arg Asn Leu Leu Gly Ala Met
1 5 10 15

Ser

<210> 1320
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1320
Arg Asp Gly Ala Phe Tyr Arg Tyr Phe Glu Asp Leu Leu Ile Ala Val
1 5 10 15

Asp

<210> 1321
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1321
Arg Gly Asn Arg Phe Tyr Glu Tyr Phe Glu Tyr Leu Leu Arg Asp Tyr
1 5 10 15

Gly

```

<210> 1322
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1322
Glu Leu Gly Asp Phe Tyr Arg Tyr Phe Gln Leu Leu Leu Ala Asp Trp
    1           5           10          15

```

His

```

<210> 1323
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1323
Ala Gln Asp Ala Phe Tyr Ser Tyr Phe Ser Val Leu Leu Gly Glu His
    1           5           10          15

```

Leu

```

<210> 1324
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1324
Ile Gly Val Asn Phe Tyr Arg Tyr Phe Glu Lys Leu Leu Leu Asp Glu
    1           5           10          15

```

Phe

```

<210> 1325
<211> 17

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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1325
Thr Asp Ser Gln Phe Tyr Ser Tyr Phe Glu Ser Leu Leu Glu Thr Phe
1 5 10 15

Gly

<210> 1326
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1326
Ser Ser Arg Glu Phe Tyr Ser Tyr Phe Ser Gly Leu Leu Thr Thr Ala
1 5 10 15

Leu

<210> 1327
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1327
Thr Gly Arg Gly Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Glu Asp Trp
1 5 10 15

Met

<210> 1328
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1328
 Ser Gly Ser Trp Phe Tyr Arg Tyr Phe Glu Glu Leu Leu Leu Gln Ser
 1 5 10 15

Gly

<210> 1329
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 1329
 Gly Arg Gly Gly Phe Tyr Gln Tyr Phe Leu Asp Leu Leu Gln Thr Glu
 1 5 10 15

Ala

<210> 1330
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 1330
 Gly Gln Asn Gly Phe Tyr Arg Tyr Phe Asp Thr Leu Leu Ala Asp Trp
 1 5 10 15

Val

<210> 1331
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 1331
 Phe Ala Gly Ser Phe Tyr Arg Tyr Phe Glu Gln Leu Leu Leu Ser Glu
 1 5 10 15

Gln

<210> 1332
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1332
Asp Pro Asn Ala Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Trp Arg Glu
1 5 10 15

His

<210> 1333
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1333
Xaa Gly Leu Asn Phe Tyr Arg Tyr Phe Val Gly Leu Leu Thr Asp Thr
1 5 10 15

Leu

<210> 1334
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1334
Arg His Ile Asn Phe Tyr Gly Tyr Phe Asp Asp Leu Leu Ala Thr Trp
1 5 10 15

His

<210> 1335
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1335
Phe His Arg Gly Phe Tyr Arg Tyr Phe Ile Asn Leu Leu Ser Gly Asp
1 5 10 15

Ala

<210> 1336
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1336
Met Gly Ser Ser Phe Tyr Arg Tyr Phe Glu Thr Leu Leu Gly Gln Gly
1 5 10 15

Leu

<210> 1337
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1337
Gly Ser Leu Asp Phe Tyr Ser Tyr Phe Trp Glu Arg Leu Gly Leu Gly
1 5 10 15

Pro

<210> 1338
<211> 17
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1338

Ser Thr Val Ser Phe Tyr Arg Tyr Phe Tyr Ala Leu Leu Gln Ser Pro
1 5 10 15

Cys

<210> 1339

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1339

Leu Gly Gly Tyr Phe Tyr Arg Tyr Phe Glu Asp Leu Leu Asn His Gln
1 5 10 15

Ser

<210> 1340

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1340

Asp His Arg Gly Phe Tyr Arg Tyr Phe Leu Tyr Gln Leu Ala Gly Asn
1 5 10 15

Val

<210> 1341

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1341

Glu Tyr Ser Gly Phe Tyr Gly Tyr Phe Asn His Leu Leu Gly Ser Leu
1 5 10 15

Gly

```

<210> 1342
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1342
Thr Ser Asn Trp Phe Tyr Gln Tyr Phe Thr Asp Leu Leu Ala Gly Glu
    1           5           10          15

```

Asp

```

<210> 1343
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1343
Ser Ser Gly Gly Phe Tyr Arg Tyr Phe Ser Gln Leu Leu Thr Glu Met
    1           5           10          15

```

Asn

```

<210> 1344
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1344
Val His Gly Glu Phe Tyr Arg Tyr Phe Glu Ser Leu Leu Arg Glu Thr
    1           5           10          15

```

Phe

```
<210> 1345
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<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1345
Ser Asp Glu Gly Phe Tyr Arg Tyr Phe Ala Gln Leu Leu Tyr Gly Val
1 5 10 15

Thr

<210> 1346
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1346
Glu Thr Gly Gly Phe Tyr Gly Tyr Phe Gln Ala Leu Leu Ala Thr Tyr
1 5 10 15

His

<210> 1347
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1347
Gly Asp Arg Gly Phe Tyr Arg Tyr Phe Glu Trp Leu Leu Asn Asp Phe
1 5 10 15

Gly

<210> 1348
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1348
Phe Gly Gly Ala Phe Tyr Arg Tyr Phe Glu Ala Leu Leu Gly Glu Met
1 5 10 15

Gly

<210> 1349
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1349
Asp Gly Gly Ala Phe Tyr Arg Tyr Phe Glu Ala Leu Leu Gly Glu Leu
1 5 10 15

Asp

<210> 1350
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1350
Trp His Ser Asp Phe Tyr Arg Tyr Phe Leu Ser Leu Leu Gln Glu Asp
1 5 10 15

Gly

<210> 1351
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1351
Glu Glu Glu Gly Phe Tyr Gly Tyr Phe Tyr Arg Leu Leu Gly Val Glu
1 5 10 15

Arg

<210> 1352
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1352
 Met Asp Ala Gly Phe Tyr Gly Tyr Phe Ser Asp Leu Leu Ala Asn Trp
 1 5 10 15

Gly

<210> 1353
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1353
 Ser Gly Phe Ala Phe Tyr Gln Tyr Phe Gln Glu Leu Leu Ala Gly His
 1 5 10 15

Asp

<210> 1354
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 1354
 Gly Asp Gly Gly Phe Tyr Gly Tyr Phe Ala Ser Leu Leu Ser Gly Glu
 1 5 10 15

Gly

<210> 1355
 <211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1355
Glu Ala Asn Gly Phe Tyr Arg Tyr Phe Tyr Asp Leu Leu Gln Asp Phe
1 5 10 15

Gly

<210> 1356
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1356
Ala Val Asn Gly Phe Tyr Arg Tyr Phe Asn Arg Leu Leu Glu Ser Val
1 5 10 15

Glu

<210> 1357
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1357
Gln Gln Asp Gly Phe Tyr Arg Tyr Phe Leu Asp Leu Leu Asp Glu Val
1 5 10 15

Ala

<210> 1358
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1358
Ile Ser Gln Gly Phe Tyr Gly Tyr Phe Ser Arg Leu Leu Gln Asp Thr
1 5 10 15

Glu

<210> 1359
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1359
Tyr Ser Thr Gly Phe Tyr Arg Tyr Phe Leu Asp Leu Leu Asp Gly Met
1 5 10 15

Pro

<210> 1360
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1360
Pro Asn Gly Asp Phe Tyr Arg Tyr Phe Leu Asp Leu Leu Gly Ser Val
1 5 10 15

Gly

<210> 1361
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1361
Arg His Gln Ala Phe Tyr Ser Tyr Phe Arg Asp Leu Pro Arg Glu Cys
1 5 10 15

Pro

<210> 1362

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1362

Glu Thr Glu Gly Phe Tyr Arg Tyr Phe Glu Glu Leu Leu Ala Gln Val
1 5 10 15

Ala

<210> 1363

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1363

Ala Gly Asp Arg Phe Tyr Asp Tyr Phe Asp Arg Leu Leu Ala Asp Tyr
1 5 10 15

Asp

<210> 1364

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1364

Gly Gly Ser Gly Phe Tyr Arg Tyr Phe Trp Gly Leu Leu Ala Glu Gln
1 5 10 15

Glu

<210> 1365

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1365

Leu Leu Asn Arg Leu Tyr Arg Tyr Phe Ala Gly Ala Glu Gly Trp Phe
1 5 10 15

Gly

<210> 1366

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1366

Asp Gly Ser Gly Phe Tyr Arg Tyr Phe Glu Met Leu Leu Gly Ser Gly
1 5 10 15

Leu

<210> 1367

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1367

Arg Asp Met Ala Phe Tyr Arg Tyr Phe Ser His Leu Leu Glu Ser Phe
1 5 10 15

Gln

<210> 1368

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1368

Gly Asn Ala Gly Phe Tyr Arg Ile Ser Arg Ile Leu Trp Gln Gly Thr
1 5 10 15

Glu

<210> 1369

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1369

Gly Asn Ala Gly Phe Tyr Arg Tyr Phe Ala Asp Leu Met Ala Gly Tyr
1 5 10 15

Glu

<210> 1370

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1370

Tyr Gln Ala Ala Phe Tyr Arg Tyr Phe Ala Thr Leu Leu Ser Thr Thr
1 5 10 15

Asp

<210> 1371

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1371

Gly Gly Leu Gly Phe Tyr Arg Tyr Phe Gln Leu Leu Leu Gly Ser Ser
1 5 10 15

Gly

<210> 1372

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1372

Asp Gly Ser Gly Phe Tyr Gly Tyr Phe Asp Phe Val Leu Arg Gln Phe
1 5 10 15

Glu

<210> 1373

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1373

Val Gly Ser Gly Phe Tyr Arg Tyr Phe Asp Gln Leu Leu Gly Met Tyr
1 5 10 15

Gly

<210> 1374

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1374

Tyr Gly Thr Asp Phe Tyr Leu Tyr Phe Asp Gln Leu Leu Gln Tyr
1 5 10 15

Gly

<210> 1375

<211> 17

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1375

Phe Asn Ser Ser Phe Tyr Leu Tyr Phe Arg Asp Leu Leu Asn Thr Val
1 5 10 15

Gly

<210> 1376

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1376

Arg Ala Ala Gly Phe Tyr Arg Tyr Phe Glu Asp Leu Leu Gly Ala Arg
1 5 10 15

Gly

<210> 1377

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1377

Thr Gly Ala Gly Phe Tyr Arg Tyr Phe Ile Asp Leu Leu Gly Glu Thr
1 5 10 15

Gly

<210> 1378

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1378

Arg Asp Leu Glu Phe Tyr Gly Tyr Phe Gln Glu Leu Leu Arg Leu Asn
1 5 10 15

Phe

<210> 1379

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1379

Gly Met Gly Pro Phe Tyr Arg Tyr Phe Ile Asp Leu Leu Arg Glu Ser
1 5 10 15

Asp

<210> 1380

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1380

His Gly Asp Gly Phe Tyr Gln Tyr Phe Met Glu Val Leu Arg Leu Gln
1 5 10 15

Asn

<210> 1381

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1381

Ala Phe Tyr Arg Tyr Phe Arg Asp Leu Leu Phe Ser Gly Phe
1 5 10

<210> 1382

<211> 17

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1382
Asp Asp Arg Gly Phe Tyr Arg Tyr Phe Glu Ser Leu Leu Leu Gly Ser
1 5 10 15

Ser

<210> 1383
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1383
Leu Ser Thr Ser Phe Tyr Gln Tyr Leu Ala Gly Leu Leu Arg Gly Asp
1 5 10 15

Arg

<210> 1384
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1384
Gly Ser Ser Gly Phe Tyr Arg Tyr Phe Asn Met Leu Met Leu Ser Gln
1 5 10 15

Thr

<210> 1385
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1385
Gly Asp Arg Gly Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Ala Ser Val
1 5 10 15

Gly

<210> 1386
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1386
Asn Ser Ala Ala Phe Tyr Arg Tyr Phe Glu Gln Leu Leu Glu Arg Glu
1 5 10 15

Val

<210> 1387
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1387
Leu Ser Asp Gly Phe Tyr Arg Tyr Phe Glu Gln Leu Met Gly Ala Arg
1 5 10 15

Ser

<210> 1388
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1388
Arg Ser Thr Leu Phe Tyr Arg Tyr Phe Gln Asn Leu Leu Glu Glu Val
1 5 10 15

Gly

<210> 1389

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1389

Thr Arg Gly Gly Phe Tyr Arg Tyr Phe Glu Asp Leu Leu Gln Val Tyr
1 5 10 15

Ser

<210> 1390

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1390

Gly Val Ser Gly Phe Tyr Arg Tyr Phe Gln Ser Leu Leu Asp Ser Tyr
1 5 10 15

Gly

<210> 1391

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1391

Gln Asn Asp Ala Phe Tyr Ser Tyr Phe Asn Ser Leu Leu Gln Ala Tyr
1 5 10 15

Thr

<210> 1392

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1392

Arg Gln Gln Asp Phe Tyr Arg Tyr Phe Arg Gln Leu Leu Leu Glu Glu
1 5 10 15

Val

<210> 1393

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1393

Glu Gly Ser Gly Phe Tyr Arg Tyr Phe Glu Lys Leu Leu Leu Gln Ser
1 5 10 15

Pro

<210> 1394

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1394

Arg His Lys Ala Phe Tyr Arg Tyr Phe Glu Glu Leu Leu Gln Lys Asn
1 5 10 15

Val

<210> 1395

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1395

Gly Arg Met Thr Arg Leu Ile Val Arg Ser Thr Val Ile Ser Arg Glu
1 5 10 15

Leu Leu His Tyr Ser Leu
20

<210> 1396

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1396

Gln Ala Leu Ser Phe Tyr Arg Tyr Phe Glu Arg Leu Leu Asp Glu Val
1 5 10 15

Ser

<210> 1397

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1397

Ser Lys Ser Ala Phe Tyr Arg Tyr Phe Asp Glu Leu Leu Gly Asn Ser
1 5 10 15

Gly

<210> 1398

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1398

Leu Gly Gly Ala Phe Tyr Arg Tyr Phe Ala Gln Leu Leu Asn Ser His
1 5 10 15

Val

<210> 1399

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1399

Leu Asn Ser Gly Phe Tyr Gly Tyr Phe Val Gln Leu Leu Ser Gly His
1 5 10 15

Gln

<210> 1400

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1400

Ser Gln Ser Ser Phe Tyr Arg Tyr Phe Glu Ser Leu Leu Glu Asp Asn.
1 5 10 15

Pro

<210> 1401

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1401

Ala Asp Gly Gly Phe Tyr Gly Tyr Phe Ala Ala Leu Leu Gly Ser Val
1 5 10 15

Ser

<210> 1402

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1402

Gln Asn Gly Ser Phe Tyr Arg Tyr Phe Ile Ala Leu Leu Gly Asp Ser
1 5 10 15

Gly

<210> 1403

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1403

Trp Asp Thr Gly Phe Tyr Arg Tyr Phe Ile Glu Leu Leu Glu Asp Arg
1 5 10 15

Asp

<210> 1404

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1404

His Pro Arg Asp Phe Tyr Arg Tyr Phe Glu Arg Leu Leu Asn Gln Val
1 5 10 15

Asp

<210> 1405

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1405

Asp Gly Gly Ala Phe Tyr Arg Tyr Phe Met Asp Leu Leu Gly Ala His
1 5 10 15

Glu

<210> 1406
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1406
Ala Gly Arg Gly Phe Tyr Arg Tyr Phe Glu His Leu Leu Ala Gly Arg
1 5 10 15

Glu

<210> 1407
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1407
Ser Ser Arg Gly Phe Tyr Arg Tyr Phe Arg Glu Leu Leu Ala Asp Ser
1 5 10 15

Trp

<210> 1408
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1408
Lys Tyr Ser Gly Phe Tyr Glu Tyr Phe Asn Ala Leu Leu Gly Arg Arg
1 5 10 15

Glu

<210> 1409

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1409

Asp Tyr Thr Ala Phe Tyr Gly Tyr Phe Asn Asn Leu Leu Arg Thr Ser
1 5 10 15

Gly

<210> 1410

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1410

Phe Gln Ser Ser Phe Tyr Gly Tyr Phe Glu Ser Leu Leu Met Ser Tyr
1 5 10 15

Lys

<210> 1411

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1411

Asp Thr Asn Ala Phe Tyr Arg Tyr Phe Glu Gly Leu Leu Trp Ser Glu
1 5 10 15

His

<210> 1412

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1412

Gly Gly Ser Ser Phe Tyr Arg Tyr Phe Glu Gln Leu Leu Ala Gln Trp
1 5 10 15

Glu

<210> 1413

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1413

Ser Gln Gly Gly Phe Tyr Arg Tyr Phe Glu Lys Leu Leu Asp Glu Val
1 5 10 15

Thr

<210> 1414

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1414

Arg Ser Gly Leu Phe Tyr Arg Tyr Phe Glu Glu Leu Leu Gln Gly Ala
1 5 10 15

Ile

<210> 1415

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1415

Gln Gly Gly Gly Phe Tyr His Tyr Phe Leu Ser Leu Leu Glu Glu Val
1 5 10 15

Gly

<210> 1416
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1416
Trp Arg Gly Ala Phe Tyr Arg Tyr Phe Gln Thr Leu Leu Ser Asp Glu
1 5 10 15

Gly

<210> 1417
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1417
Ala Ala Gly Phe Tyr Gly Tyr Phe Tyr Ser Leu Leu Gly Asp Gln Thr
1 5 10 15

<210> 1418
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1418
Arg Asn Ser Gly Phe Tyr Arg Tyr Phe Gln His Leu Val Ser Glu Trp
1 5 10 15

Glu

<210> 1419
<211> 17
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1419

Gln His Arg Leu Phe Tyr Ser Tyr Phe Ala Glu Leu Leu Gly Arg Asp
1 5 10 15

Thr

<210> 1420

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1420

Gln Ile Asp Glu Phe Tyr Arg Tyr Phe Ala Asp Gln Leu Arg Gly Phe
1 5 10 15

Ala

<210> 1421

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1421

Leu Gly Gly Gly Phe Tyr Arg Tyr Phe Asn Leu Leu Val Met Gly Ser
1 5 10 15

Gly

<210> 1422

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1422
Gly Asp Arg Ala Phe Tyr Arg Tyr Phe Gln Arg Gln Leu Glu Gly Trp
1 5 10 15

Gly

<210> 1423
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1423
Cys Glu Asp Ala Phe Tyr Arg Tyr Phe Val Asn Leu Leu Gly Gln Gly
1 5 10 15

Cys

<210> 1424
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1424
Asn Tyr Ser Gln Phe Tyr Arg Tyr Phe Glu Met Leu Leu Glu Gly Asp
1 5 10 15

Val

<210> 1425
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
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<400> 1425
Val Gly Asp Ala Phe Tyr Arg Tyr Phe Gln Gly Leu Leu Arg Gln Asp
1 5 10 15

Gln

<210> 1426

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1426

Met His Gly Ser Phe Tyr Arg Tyr Phe Gln Asp Leu Leu Gln Ala Pro
1 5 10 15

Pro

<210> 1427

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1427

Asp Val Gly Asp Phe Tyr Arg Tyr Phe Gly Leu Leu Leu Thr Ser Asp
1 5 10 15

Arg

<210> 1428

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1428

Asn Ser Ala Ala Phe Tyr Gly Tyr Phe Ser Gln Leu Leu Ala Gln Ile
1 5 10 15

Arg

<210> 1429

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1429

Ile Ile Gly Gly Phe Tyr Ser Tyr Phe Asn Ser Val Leu Arg Leu Gly
1 5 10 15

Thr

<210> 1430

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1430

Arg Phe Asp Pro Phe Tyr Ser Tyr Phe Val Asn Leu Leu Gly Ala Ser
1 5 10 15

Ala

<210> 1431

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1431

Glu Gly Ser Gly Phe Tyr Gly Tyr Phe Phe Ser Leu Leu Gly Leu Gln
1 5 10 15

Gly

<210> 1432

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1432

Leu Lys Asp Gly Phe Tyr Asp Tyr Phe Trp Gln Arg Leu His Leu Gly
1 5 10 15

Ser

<210> 1433

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1433

Pro Leu Ala Glu Leu Trp Ala Tyr Phe Glu His Ser Glu Gln Gly Arg
1 5 10 15

Ser Ser Ala His
20

<210> 1434

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1434

Pro Val Leu Ser Gly Leu Leu Arg Tyr Phe Ala Gly Gly Pro Leu Gly
1 5 10 15

Gln Pro Gln Ser
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<210> 1435

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1435

Gly Gly Tyr Leu Asp Asp Leu Trp His Tyr Phe Arg Asp Gly Gln Ala
1 5 10 15

Leu Gln Pro Trp
20

<210> 1436

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1436

Val Asp Gln Arg Gln Gly Gly Trp Leu Leu Ala Leu Glu Asn Tyr Phe
1 5 10 15

Arg Ser Thr Val
20

<210> 1437

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1437

Asp Val Pro Ala Gly Gly Leu Leu Arg Gln Met Trp Val Tyr Phe Arg
1 5 10 15

Asp Ser Asp Pro
20

<210> 1438

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1438

Arg Arg Val Ala Cys Thr Gln Ala Asp Gly Leu Leu Cys Glu Ser Asp
1 5 10 15

Pro Leu Lys Ala Leu Leu Ser Tyr Phe
20 25

<210> 1439

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1439

Xaa Xaa Xaa Leu Xaa Xaa Leu Xaa Xaa Tyr Phe Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa

<210> 1440

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1440

Leu Asp Pro Leu Asp Ala Leu Leu Gln Tyr Phe Trp Ser Val Pro Gly
1 5 10 15

His

<210> 1441

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1441

Leu Asp Ala Leu Asp Arg Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser
1 5 10 15

Leu

<210> 1442

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1442

Ala Asp Glu Leu Glu Trp Leu Leu Asp Tyr Phe Met His Gln Pro Arg
1 5 10 15

Pro

<210> 1443

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1443

Asp Gln Glu Leu Gly Trp Leu Arg Gly Tyr Phe Glu Trp Thr Ala Arg
1 5 10 15

Asp

<210> 1444

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1444

Asp Gly Val Leu Glu Glu Leu Phe Ser Tyr Phe Ser Ala Thr Val Gly
1 5 10 15

Pro

<210> 1445

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1445

Pro Met Asn Leu Ser Glu Leu Trp Asp Tyr Phe Arg Leu Lys Pro Gly
1 5 10 15

Arg

<210> 1446

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1446

Asp Ser Ile Leu Arg Glu Leu Arg Asp Tyr Phe Ala Pro Tyr Ser His
1 5 10 15

Cys

<210> 1447

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1447

Asp Asp Ala Leu Glu Trp Leu Leu Asn Tyr Phe Gln Asn Gly His Val
1 5 10 15

Gln

<210> 1448

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1448

Gly Asp Ile Leu Asp Ala Leu Leu Arg Tyr Phe Glu Phe Gly Val Asp
1 5 10 15

Thr

<210> 1449

<211> 17

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1449

Gly Asp Gln Leu Ala Trp Leu Leu Ala Tyr Phe Gln Ser Asp Gly Ser
1 5 10 15

Asp

<210> 1450

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1450

Asp Gly Val Leu Glu Gly Leu Leu Ser Tyr Phe Thr Ser Thr Asn Ser
1 5 10 15

His

<210> 1451

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1451

Ala Arg Pro Leu Asp Trp Leu Leu Asp Tyr Phe Lys Gln Gly Ala Arg
1 5 10 15

Gly

<210> 1452

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1452

Asp Asp Met Leu Arg Gln Leu Trp Leu Tyr Phe Glu Ala Ser Ala Gly
1 5 10 15

Gly

<210> 1453

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1453

Asp Pro Trp Leu Ala Trp Leu Gly Arg Tyr Phe Gly Glu Thr Ala Thr
1 5 10 15

Gly

<210> 1454

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1454

Asp Pro Thr Leu Phe Gly Leu Leu Arg Tyr Phe Gln Glu Ser Gly Ile
1 5 10 15

Ala

<210> 1455

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1455

Met Asp Pro Leu Arg Gly Leu Leu Met Tyr Phe Ser Gln Gly Gly Leu
1 5 10 15

Val

<210> 1456

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1456

Asp Gly Leu Leu Trp Gln Leu Trp Asp Tyr Phe Ala Leu Ser Glu His
1 5 10 15

Arg

<210> 1457

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1457

Asp Asn Trp Leu Ser Ala Leu Met Ala Tyr Phe Met Gly Ser Gly Glu
1 5 10 15

Ser

<210> 1458

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1458

Asp Asp Val Leu Asn Tyr Leu Leu Gly Tyr Phe Arg Gln Ser Asp Gly
1 5 10 15

Leu

<210> 1459

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1459

Arg Pro Val Leu Gly Trp Leu Phe Asp Tyr Phe Val Ala Ser Asp Pro
1 5 10 15

Met

<210> 1460

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1460

Arg Trp Pro Leu Ser Ala Leu Met Asp Tyr Phe Arg Arg Ser Asp Gly
1 5 10 15

Val

<210> 1461

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1461

Asp Gly Val Leu Ala Ser Leu Trp Arg Tyr Phe Val Ser Gly Gly Thr
1 5 10 15

Leu

<210> 1462

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1462

Asp Arg Gln Leu Gly Trp Leu Trp Asp Tyr Phe His Leu Thr Asp Leu
1 5 10 15

Pro

<210> 1463
<211> 17
<212> PRT
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<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1463
Asp Gly Ile Leu Gly Leu Leu Met Ala Tyr Phe Val Glu Ser Xaa Arg
1 5 10 15

Val

<210> 1464
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1464
Gln Asp Leu Leu Gly Arg Leu Trp Leu Tyr Phe Ala Glu Thr Asp Thr
1 5 10 15

Val

<210> 1465
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1465
Ser Gly Val Leu Ala Asp Leu Phe Arg Tyr Phe Gln Arg His Pro Trp
1 5 10 15

Pro

<210> 1466
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1466
Asp Pro Pro Leu Gly Gly Leu Trp Thr Tyr Phe Ser Arg Ser Asp Pro
1 5 10 15

Gly

<210> 1467
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1467
Asp Ser Val Leu Arg Ser Leu Tyr Ser Tyr Phe Ala Ser Gly Asp Ile
1 5 10 15

Ala

<210> 1468
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1468
Asp Gly Val Leu Ala Ala Leu Glu Ala Tyr Phe Arg His Gly Pro Arg
1 5 10 15

Asp

<210> 1469
<211> 17
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1469

Asp Glu Ile Leu Gly Ala Leu Tyr Ser Tyr Phe Ser Leu Ser Gly Gly
1 5 10 15

Ala

<210> 1470

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1470

Gln Asp Val Leu Gly Ala Leu Gln Arg Tyr Phe Ala Ser Gly Glu Pro
1 5 10 15

Trp

<210> 1471

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1471

Asp Ser Val Leu Gln Tyr Leu Leu Asn His Phe Gly Ala Asp Ser Lys
1 5 10 15

Gln

<210> 1472

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1472

Asn Glu Val Leu Glu Gly Leu Phe Ser Tyr Phe Val Tyr Xaa Ala Asn
1 5 10 15

Gly

<210> 1473

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1473

Ser Gly Ile Leu Gly Gln Leu Leu Arg Tyr Phe Lys Gly Ala Gly Gly
1 5 10 15

Gly

<210> 1474

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1474

Asp Glu Leu Leu Asp Arg Leu Trp Gln Tyr Phe Gln Val Gly Gly Asp
1 5 10 15

Leu

<210> 1475

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1475

Pro Gly Ile Leu Leu Asp Leu Trp Arg Tyr Phe Ala Ser Ala Pro Asp
1 5 10 15

Gln

<210> 1476
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1476
Asp Ser Val Leu Leu Asp Leu Tyr Glu Tyr Phe Ser Ser Gly Ser Ser
1 5 10 15

Gly

<210> 1477
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1477
Asp Gly Met Leu Ser Arg Leu Trp Glu Tyr Phe Ala Gly Thr Asn Val
1 5 10 15

Pro

<210> 1478
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1478
Asp Val Ile Leu Gly Gly Leu Trp Asp Tyr Phe Ala Ser Gly Gly Gly
1 5 10 15

His

<210> 1479

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1479

Gly Gly Val Leu Ala Ala Leu Glu Arg Tyr Phe Arg Val Ser Ala Gly
1 5 10 15

Asp

<210> 1480
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1480

Asp Glu Val Leu Gly Arg Leu Trp Ala Tyr Phe Ala Gln Glu Ser Leu
1 5 10 15

Gly

<210> 1481
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1481

Asp Gly Ile Leu Gln Ser Leu Trp Asp Tyr Phe Ala Arg Ser Pro Val
1 5 10 15

Gly

<210> 1482
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1482
Val Asp Ile Leu Ser Glu Leu Trp Asp Tyr Phe Arg Arg Gly Glu Glu
1 5 10 15

Gly

<210> 1483
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1483
Asp Lys Val Leu Arg Leu Leu Gly Glu Tyr Phe Ala Thr His Ser Lys
1 5 10 15

Gly

<210> 1484
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1484
Gln Gly Pro Leu Ala Trp Leu Arg Asp Tyr Phe Ala Ser Gly Thr Arg
1 5 10 15

Ser

<210> 1485
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1485
Gln Asp Val Leu Arg Ser Leu Leu Ser Tyr Phe Met Gly Asn Gly Asp
1 5 10 15

Val

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<210> 1486
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1486
Asp Gly Val Leu Ser Lys Leu Trp Glu Tyr Phe Lys Ile Gln Gly Asn
  1           5           10          15

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Asp

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<210> 1487
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 1487
Asn Thr Ile Leu Gly Asp Leu Trp Arg Tyr Phe Ala Gly Ser Gly Gly
  1           5           10          15

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Met

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<210> 1488
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1488
Xaa Asp Val Leu Lys Lys Leu Xaa Val Tyr Phe Glu Leu Ser Gly Gly
  1           5           10          15

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Ala

<210> 1489

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1489

Gly Gly Pro Leu Gln Gly Leu Tyr Thr Tyr Phe Lys Gln Ser Pro Val
1 5 10 15

Cys

<210> 1490

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1490

Asp Arg Leu Leu Ser Gly Leu Trp Ala Tyr Phe Ala Gly Asn Gly Gly
1 5 10 15

Ser

<210> 1491

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1491

Asp Leu Ile Leu Gln Ser Leu Leu Asp Tyr Phe Gln Gly Arg Pro Val
1 5 10 15

Gly

<210> 1492

<211> 17

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1492
Leu Ala Leu Leu Pro Met Leu Trp Asp Tyr Phe Val Ala Thr Asp Pro
1 5 10 15

Gln

<210> 1493
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1493
Asp Ser Ile Leu Arg Glu Leu Arg Asp Tyr Phe Ala Arg Thr His Ile
1 5 10 15

Ala

<210> 1494
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1494
Asp Gly Val Leu Gly Gln Leu Trp Gln Tyr Phe Ala Gln Tyr Pro Gly
1 5 10 15

Ser

<210> 1495
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1495
Xaa Pro Pro Leu Asp Ala Leu Trp Glu Tyr Phe Thr Gly Thr Ala Arg
1 5 10 15

Asp

<210> 1496
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1496
Asp Asn Val Leu Glu Gly Leu Trp Ser Tyr Phe Ala Leu Trp Ser Gln
1 5 10 15

Leu

<210> 1497
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1497
Ser Ala Val Leu Glu Tyr Leu Leu Ala Tyr Phe Ala Arg Thr Gly Ala
1 5 10 15

Ala

<210> 1498
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1498
Asp Arg Ala Leu Gly Pro Leu Trp Arg Tyr Phe Met Val Asn Asn Gly
1 5 10 15

Gln

<210> 1499

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1499

Trp Arg Ile Leu Asp Arg Leu Leu Ala Tyr Phe Lys Glu Ser Gln Gly
1 5 10 15

Asp

<210> 1500

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1500

Asp Asp Val Leu Val Thr Leu Phe Gln Tyr Phe Arg Ala Ser Thr Gly
1 5 10 15

Val

<210> 1501

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1501

Phe Asp Val Leu Thr Trp Leu Gly Arg Tyr Phe Xaa Met Asn Thr Gly
1 5 10 15

Lys

<210> 1502

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1502

Arg Asp Val Leu Asp Gly Leu Arg Glu Tyr Phe Arg Ala Ser Val Gly
1 5 10 15

Gly

<210> 1503

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1503

Ile Lys Thr Leu Asn Asp Leu Leu Ala Tyr Phe Arg Gly Asp Leu Asp
1 5 10 15

Val

<210> 1504

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1504

Asp Glu Ala Leu Leu Trp Leu Met Arg Tyr Phe Arg Gly Ser Pro Ser
1 5 10 15

Pro

<210> 1505

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1505

Glu Ser Pro Leu Asp Ala Leu Arg Ala Tyr Phe Ser Gly Arg Arg Asn
1 5 10 15

Trp

<210> 1506

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1506

Ile Gln Ser Leu Xaa Asp Leu Leu Gln Tyr Phe Val Ser Ser Pro Ser
1 5 10 15

Val

<210> 1507

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1507

Gly Gly Ile Leu Asp Xaa Leu Gln Asp Tyr Phe Arg Ser Thr Asp Val
1 5 10 15

Gly

<210> 1508

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1508

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1509

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1509

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1510

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1510

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Ser Thr Pro Leu Phe Gly
1 5 10 15

Gln Cys Ser Tyr
20

<210> 1511

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1511

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ala
1 5 10 15

Gln Cys Val Gly
20

<210> 1512
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1512
Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1513
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1513
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ala Gly
20

<210> 1514
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1514
His Leu Cys Val Val Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1515

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1515

Asn Leu Cys Asp Leu Glu Val Leu Phe Trp Gly Ala Ser Leu Phe Arg
1 5 10 15

Gln Cys Ser Gly

20

<210> 1516

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1516

Pro Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1517

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1517

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Glu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1518

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 1518
His Leu Cys Glu Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1519
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1519
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1520
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1520
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1521
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1521
Lys Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1522
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1522
Tyr Leu Cys Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1523
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1523
His Leu Cys Val Leu Glu Glu Leu Leu Trp Gly Ala Ser Leu Phe Ala
1 5 10 15

Gln Cys Ser Gly
20

<210> 1524
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1524
Gln Leu Cys Val Leu Glu Gln Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1525
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1525

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Asn Leu Phe Ser
1 5 10 15

Gln Cys Ser Gly
20

<210> 1526

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1526

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Tyr Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1527

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1527

Ser Leu Cys Ala Leu Glu Glu Gln Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1528

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1528

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Asp
1 5 10 15

Gly Cys Ala Gly
20

<210> 1529

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1529

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1530

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1530

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1531

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1531

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Thr Gly
20

<210> 1532

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1532

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1533

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1533

Gln Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1534

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1534

His Leu Cys Val Val Glu Glu Leu Ile Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Arg

20

<210> 1535

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1535

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ala Gly
20

<210> 1536

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1536

Gln Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1537

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1537

Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1538

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1538

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1539

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1539

Asp Leu Cys Val Val Glu Glu Leu Phe Trp Gly Lys Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1540

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1540

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1541

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1541

Tyr Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Arg
1 5 10 15

Gln Cys Phe Gly

20

<210> 1542

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1542

His Leu Cys Val Leu Glu Glu Leu Leu Trp Gly Ser Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1543

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1543

Pro Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Asp

20

<210> 1544

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1544

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Leu Phe Ala
1 5 10 15

Gln Cys Ser Gly

20

<210> 1545

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1545

Pro Leu Cys Ala Ile Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1546

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1546

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asp Cys Ser Gly

20

<210> 1547

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1547

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Pro Leu Phe Gly
1 5 10 15

Gln Cys Ser Asp

20

<210> 1548

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1548

Asp Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Thr Ser
20

<210> 1549
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1549
Gln Leu Cys Val Leu Glu Lys Gln Leu Trp Gly Ala Ser Leu Phe Trp
1 5 10 15

Gln Cys Ser Gly
20

<210> 1550
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1550
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Tyr Gly
1 5 10 15

Gln Cys Pro Gly
20

<210> 1551
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1551
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Asp
1 5 10 15

Gln Cys Ser Gly
20

<210> 1552

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1552

His Leu Cys Val Leu Glu Glu Leu Leu Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1553

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1553

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Val Ser Leu Phe Gly
1 5 10 15

Gln Cys Gly Gly

20

<210> 1554

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1554

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Trp Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1555

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1555

Arg Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Gly Ala Leu Phe Gly
1 5 10 15Gln Cys Ser Gly
20

<210> 1556

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1556

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Val Ser Leu Phe Ala
1 5 10 15Gln Cys Ser Gly
20

<210> 1557

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1557

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15Gln Cys Phe Gly
20

<210> 1558

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1558

Tyr Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1559
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1559
His Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1560
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1560
His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Val Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1561
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1561
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1562
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1562
His Leu Cys Val Leu Glu Asp Leu Phe Trp Gly Ala Ser Leu Phe Asp
1 5 10 15

Gln Cys Ser Gly
20

<210> 1563
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1563
His Leu Cys Asp Leu Glu Val Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1564
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1564
Gln Leu Cys Ile Leu Glu Glu Gln Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1565
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1565

Ala Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1566

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1566

Arg Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1567

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1567

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1568

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1568

Ser Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1569
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1569
His Leu Cys Leu Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Phe Glu
20

<210> 1570
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1570
His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1571
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1571
Asp Leu Cys Leu Leu Glu Glu Leu Leu Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1572

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1572

Tyr Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1573

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1573

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Ser Cys Ser Gly

20

<210> 1574

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1574

Gln Leu Cys Val Leu Glu Glu Gln Leu Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1575

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1575

His Leu Cys Val Leu Glu Glu Leu Phe Xaa Gly Glu Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1576

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1576

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1577

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1577

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser His Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1578

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1578

His Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ala Gly
20

<210> 1579
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1579
Gln Leu Cys Val Leu Glu Glu Leu Ile Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ala Gly
20

<210> 1580
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1580
His Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1581
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1581
His Leu Cys Val Leu Glu Glu Leu Val Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1582

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1582

Arg Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1583

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1583

Arg Leu Cys Ile Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1584

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1584

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Thr Leu Phe Asp
1 5 10 15

Gln Cys Ser Gly

20

<210> 1585

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1585

His Leu Cys Phe Leu Glu Glu Leu Phe Trp Gly Ala Ser Met Phe Gly
1 5 10 15Gln Cys Ser Gly
20

<210> 1586

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1586

His Leu Cys Ile Val Glu Glu Leu Phe Trp Ala Ala Pro Leu Phe Gly
1 5 10 15Gln Cys Ser Gly
20

<210> 1587

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1587

His Leu Cys Val Leu Glu Glu Leu Trp Trp Gly Ala Ser Leu Phe Ala
1 5 10 15Gln Cys Ser Ala
20

<210> 1588

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1588

Asn Leu Cys Ala Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Phe Arg
1 5 10 15

Tyr Cys Pro Gly
20

<210> 1589
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1589
Arg Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1590
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1590
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Pro Gly
20

<210> 1591
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1591
Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1592

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1592

Gln Leu Cys Val Leu Gly Xaa Arg Phe Trp Gly Gly Ser Leu Cys Gly
1 5 10 15

Tyr Cys Ser Asp

20

<210> 1593

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1593

Pro Leu Cys Phe Leu Gln Glu Leu Phe Gly Gly Ala Ser Leu Gly Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1594

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1594

Phe Met Cys Gly Leu Gln Glu Leu Val Gly Gly Ala Ala Leu Leu Gly
1 5 10 15

His Cys Ser Gly

20

<210> 1595

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1595

Pro Leu Cys Phe Leu Gln Glu Leu Phe Gly Gly Ser Leu Ser Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1596

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1596

Phe Leu Cys Gly Leu Glu Glu Leu Ala Trp Gly Val Ser Arg Ser Gly
1 5 10 15

Tyr Cys Phe Gly
20

<210> 1597

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1597

Pro Leu Cys Phe Leu Ala Glu Leu Phe Ser Gly Ser Ala Leu Gly Gly
1 5 10 15

Asp Cys Ser Arg
20

<210> 1598

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1598
Pro Leu Cys Val Leu Gln Glu Leu Phe Gly Gly Gly Ser Leu Gly Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1599
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1599
Gln Leu Cys Val Leu Glu Xaa Leu Phe Trp Gly Ala Cys Leu Phe Gly
1 5 10 15

Tyr Cys Ala Gly
20

<210> 1600
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1600
Phe Leu Cys Gly Leu Gln Glu Leu Ser Gly Val Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1601
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1601
Arg Val Cys Val Leu Glu Gln Leu Val Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Ala Xaa Ser Gly
20

<210> 1602
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1602
Phe Tyr Cys Gly Leu Glu Glu Leu Ser Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1603
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1603
Phe Leu Cys Gly Leu Glu Glu Leu Ser Gln Gly Ala Val Leu Phe Gly
1 5 10 15

His Cys Tyr Gly
20

<210> 1604
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1604
His Leu Cys Val Leu Val Gly Leu Phe Trp Asp Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1605

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1605

Gln Arg Cys Ile Arg Ala Ala Leu Phe Trp Cys Ala Thr Leu Leu Gly
1 5 10 15

Gly Cys Ala Gly

20

<210> 1606

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1606

His Gln Cys Ile Pro Asp Gly Met Ser Gln Gly Ala Ala Leu Arg Gly
1 5 10 15

Asn Cys Ser Asp

20

<210> 1607

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1607

His Leu Cys Val Leu Glu Asp Glu Leu Trp Gly Val Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Ser

20

<210> 1608

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1608

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1609

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1609

His Leu Cys Met Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Ser
1 5 10 15

Arg Cys Ser Gly

20

<210> 1610

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1610

Thr Cys Ala Phe Trp Lys Asn Gly Ser Gly Val Arg Arg Cys Ser Val
1 5 10 15

Thr Ala Val Val

20

<210> 1611

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1611

Pro Leu Cys Gly Leu Lys Asn Gln Ser Gly Val Arg Leu Cys Ser Ser
1 5 10 15

Pro Ala Leu Val
20

<210> 1612
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1612
Pro Leu Cys Leu Gln Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1613
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1613
Pro Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asp Cys Pro Gly
20

<210> 1614
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1614
Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Asp Gly Ser Leu Phe Ala
1 5 10 15

Ser Cys Ser Gly
20

<210> 1615

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1615

Pro Leu Cys Val Leu Glu Glu Gln Leu Trp Gly Thr Ala Leu Phe Gly
1 5 10 15

Ser Cys Thr Gly

20

<210> 1616

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1616

Pro Leu Cys Leu Val Glu Glu Leu Leu Trp Gly Ala Ser Leu Phe Ser
1 5 10 15

Gln Cys Thr Gly

20

<210> 1617

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1617

Pro Leu Cys Asp Leu Glu Glu Leu Tyr Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Ser Cys Ser Gly

20

<210> 1618

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1618

Gly Leu Cys Phe Leu Glu Glu Gln Phe Trp Gly Thr Ser Leu Phe Arg
1 5 10 15

Asp Cys Pro Gly

20

<210> 1619

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1619

Pro Leu Cys Val Val Glu Glu Leu Phe Trp Gly Ala Ser Leu Tyr Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1620

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1620

Arg Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Arg
1 5 10 15

Gly Cys Ser Gly

20

<210> 1621

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1621

Pro Leu Cys Val Leu Glu Glu Leu His Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1622
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1622
Asn Leu Cys Val Val Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Pro
1 5 10 15

Asn Cys Ser Gly
20

<210> 1623
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1623
Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Met Phe Glu
1 5 10 15

Asp Cys Ser Gly
20

<210> 1624
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1624
His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1625

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1625

Pro Leu Cys Val Leu Glu Glu Ile Tyr Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Asp Cys Tyr Gly

20

<210> 1626

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1626

Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Leu Ser Leu Asp Lys
1 5 10 15

Asn Cys Ser

<210> 1627

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1627

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ser
1 5 10 15

Gly Cys Ser Gly

20

<210> 1628

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1628

Pro Leu Cys Asp Leu Glu Ala Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gly Cys Ser Gly
20

<210> 1629

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1629

His Leu Cys Val Leu Glu Glu Met Phe Trp Gly Thr Ser His Phe Asp
1 5 10 15

Gly Cys Ser Gly
20

<210> 1630

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1630

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Pro Leu Phe Gly
1 5 10 15

Leu Cys Ser Gly
20

<210> 1631

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1631

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Val Ala Leu Tyr Gly
1 5 10 15

Gly Cys Ser Gly
20

<210> 1632
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1632
Gln Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

His Cys Ser Gly
20

<210> 1633
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1633
His Leu Cys Val Leu Glu Asp Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Pro Cys Ser Gly
20

<210> 1634
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1634
His Leu Cys Gly Met Glu Glu Met Phe Trp Gly Val Ala Leu Phe Arg
1 5 10 15

Asn Cys Ser Gly
20

<210> 1635

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1635

Pro Leu Cys Val Leu Glu Gln Leu Tyr Trp Gly Glu Ser Leu Phe Val
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1636

<211> 20-

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1636

His Leu Cys Leu Leu Glu Glu Leu Phe Trp Gly Glu Ala Leu Trp Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1637

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1637

Gln Leu Cys Val Met Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1638

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 1638
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Met Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1639
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1639
Gln Leu Cys Val Leu Glu Glu Met Phe Trp Gly Gly Ser Arg Phe Val
1 5 10 15

Gln Cys Ser Ala
20

<210> 1640
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1640
Pro Leu Cys Ile Leu Glu Glu Leu Phe Trp Gly Glu Ala Leu Phe Asp
1 5 10 15

Gln Cys Gly Ala
20

<210> 1641
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1641
Tyr Leu Cys Val Gln Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Val
20

<210> 1642
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1642
His Leu Cys Ala Leu Glu Glu Ala Phe Phe Gly Pro Ser Leu Phe Asn
1 5 10 15

Ser Cys Gln Gly
20

<210> 1643
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1643
His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1644
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1644
Gln Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Pro Gly
20

<210> 1645
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1645
His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Ile Trp Gly
1 5 10 15
Ser Cys Ser Gly
20

<210> 1646
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1646
Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Leu Trp Gly
1 5 10 15
Gln Cys Ser Arg
20

<210> 1647
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1647
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Gln Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1648
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1648
Gln Leu Cys Asp Leu Glu Glu Arg Phe Trp Gly Val Ser Leu Phe Gly
1 5 10 15

Leu Cys Ser Gly
20

<210> 1649
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1649
Gln Leu Cys Val Leu Glu Glu Val Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Leu Cys Thr Gly
20

<210> 1650
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1650
Gln Leu Gln Asp Leu Asn Thr Trp Ser Gly Leu Cys Leu Cys Ser Val
1 5 10 15

Thr Val Arg Val
20

<210> 1651
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1651
Asp Leu Cys Val Leu Glu Glu Ser Leu Trp Gly Lys Ala Leu Phe Gly
1 5 10 15

Tyr Cys Ser Asp
20

<210> 1652
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1652
His Leu Cys Val Leu Glu Glu Val Phe Trp Gly Ser Ser Met Phe Gly
1 5 10 15

Asp Cys Ser Gly
20

<210> 1653
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1653
His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asp Cys Gln Gly
20

<210> 1654
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1654
Gln Leu Cys Val Leu Asp Ala Leu Met Trp Gly Gly Cys Arg Leu Gly
1 5 10 15

His Gln Cys Gly
20

<210> 1655
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1655

Gln Leu Cys Val Leu Glu Glu Lys Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Asp Cys Met Gly

20

<210> 1656

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1656

His Leu Cys Val Leu Glu Glu Val Phe Trp Gly Ala Ala Gln Phe Gly
1 5 10 15

Ser Cys Ser Gly

20

<210> 1657

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1657

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Pro Ser Met Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1658

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1658

His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Gly Phe Ala
1 5 10 15

Gln Cys Tyr Gly

20

<210> 1659

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1659

Asp Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1660

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1660

Gln Leu Cys Val Leu Glu Glu Leu His Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1661

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1661

Pro Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1662

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1662

Tyr Leu Cys Asp Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Ser
20

<210> 1663

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1663

His Leu Cys Leu Leu Glu Glu Arg Phe Trp Gly Ser Ser Gln Phe Gly
1 5 10 15

Phe Cys Ser Gly
20

<210> 1664

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1664

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1665

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1665

His Leu Cys Tyr Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1666

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1666

His Leu Cys Val Met Glu Glu Leu Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Gln Cys Thr Gly

20

<210> 1667

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1667

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1668

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1668

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Ser
1 5 10 15

Gln Cys Ser Gly
20

<210> 1669
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1669
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1670
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1670
Gln Leu Cys Leu Leu Glu Glu Leu Phe Trp Gly Ala Ala Ser Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1671
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1671
His Leu Cys Val Leu Glu Glu Met Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1672

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1672

His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ser
1 5 10 15

Gln Cys Ser Arg

20

<210> 1673

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1673

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Gln Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1674

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1674

Gln Leu Cys Ala Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Ser
1 5 10 15

Gln Cys Ser Gly

20

<210> 1675

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1675

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15Tyr Cys Ser Gly
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<210> 1676

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1676

His Leu Cys Val Leu Glu Glu Trp Phe Trp Gly Asp Ser Leu Phe Gly
1 5 10 15Gln Cys Ser Arg
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<210> 1677

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1677

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15Gln Cys Ser Gly
20

<210> 1678

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1678

Gln Leu Cys Glu Leu Glu Glu Val Phe Trp Gly Ala Ser Leu Phe Asp

1

5

10

15

Tyr Cys Ser Gly
20

<210> 1679

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1679

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1680

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1680

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Ala
20

<210> 1681

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1681

His Leu Cys Val Leu Glu Glu Leu Ile Trp Gly Ala Ser Arg Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1682

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1682

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gly Ser Leu Phe Ile
1 5 10 15

Gln Cys Ser Gly

20

<210> 1683

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1683

Gln Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asn Cys Ser Gly

20

<210> 1684

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1684

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1685

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1685

His Leu Cys Ile Leu Glu Glu Met Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Gly Gly
20

<210> 1686

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1686

Pro Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Val
1 5 10 15

Gln Cys Ser Gly
20

<210> 1687

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1687

Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1688

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1688

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Gly Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Arg
20

<210> 1689
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1689
His Leu Cys Phe Leu Glu Glu Val Phe Trp Gly Ala Ala Leu Phe Ala
1 5 10 15

Gln Cys Ser Gly
20

<210> 1690
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1690
His Leu Cys Asp Leu Glu Val Leu Phe Trp Gly Ser Ala Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1691
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1691
His Leu Cys Val Met Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1692

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1692

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Ala Ser Leu Phe Trp
1 5 10 15

Gln Cys Ser Gly

20

<210> 1693

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1693

His Leu Cys Val Leu Glu Glu Gln Tyr Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1694

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1694

Pro Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Ala
1 5 10 15

Tyr Cys Ser Ser

20

<210> 1695

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 1695
Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Ala
1 5 10 15

Gln Cys Leu Gly
20

<210> 1696
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1696
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Gln Ser Leu Phe Gly
1 5 10 15

His Cys Ser Asp
20

<210> 1697
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1697
His Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Phe Cys Ser Gly
20

<210> 1698
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1698
Leu Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1699
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1699
Arg Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Glu Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1700
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1700
His Leu Cys Val Leu Glu Glu Met Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Asn Cys Ser Gly
20

<210> 1701
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1701
Glu Leu Cys Phe Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1702
<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1702

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Tyr Gly
1 5 10 15

Gln Cys Ser Ser

20

<210> 1703

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1703

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Ala
1 5 10 15

Gln Cys Pro Gly

20

<210> 1704

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1704

Asn Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Glu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1705

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1705

Asp Leu Cys Val Leu Glu Glu Gln Leu Trp Gly Ala Ser Leu Phe Arg
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1706

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1706

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Val Ala Leu Phe Gly
1 5 10 15

Asn Cys Ser Gly

20

<210> 1707

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1707

His Leu Cys Val Leu Glu Val Gln Ile Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1708

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1708

His Leu Cys Val Leu Glu Glu Arg Phe Trp Gly Gly Ala Leu Phe Gly
1 5 10 15

Gln Cys Thr Ala

20

<210> 1709

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1709

His Leu Cys Asp Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1710

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1710

Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Thr Ser Leu Phe Ala
1 5 10 15

Gly Cys Ser Gly

20

<210> 1711

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1711

Gln Leu Cys Gly Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Ala

20

<210> 1712

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1712

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Ser

20

<210> 1713

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1713

Phe Leu Cys Val Leu Glu Glu Leu Tyr Trp Gly Ala Ser Gln Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1714

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1714

His Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 1715

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1715
Arg Leu Cys Ala Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1716
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1716
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ala Leu Phe His
1 5 10 15

Gln Cys Ser Gly
20

<210> 1717
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1717
Arg Leu Cys Val Leu Glu Glu Gln Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 1718
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1718
Gln Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ser Ser Arg Leu Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1719

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1719

Asp Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1720

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1720

Gln Leu Cys Leu Leu Glu Glu Gln Phe Trp Gly Gly Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1721

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1721

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Thr Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly

20

<210> 1722

<211> 20

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1722
Arg Leu Cys Val Leu Glu Glu Leu Val Trp Gly Ala Ser Leu Phe Asp
1 5 10 15

Gln Cys Ser Arg
20

<210> 1723
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1723
Pro Leu Gln Ala Leu Cys Glu Lys Phe Phe Gly Ala Trp Met Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1724
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1724
His Leu Gln Val Leu Cys Glu Leu Phe Gly Gly Val Tyr Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1725
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1725

Pro Leu Phe Asp Leu Cys Glu Leu Phe Gly Gly Ala Ser Leu Ser Gly
1 5 10 15

Tyr Cys Tyr Gly
20

<210> 1726

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1726

His Leu Xaa Ala Leu Cys Glu Leu Phe Gly Gly Val Trp Ser Phe Gly
1 5 10 15

Tyr Cys Val Gly
20

<210> 1727

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1727

Gln Leu Gly Val Leu Cys Glu Met Phe Gly Gly Ala Phe Arg Leu Gly
1 5 10 15

Tyr Cys Gln Gly
20

<210> 1728

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1728

His Leu Gln Asp Leu Cys Glu Leu Phe Gly Gly Ala Tyr Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1729
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1729
Gln Leu Gln Val Leu Cys Glu Leu Phe Gly Gly Ala Val Ser Leu Arg
1 5 10 15

Leu Leu Leu Trp
20

<210> 1730
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1730
Pro Leu Gly Val Leu Cys Glu Gln Phe Gly Gly Ala Phe Arg Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 1731
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1731
Pro Leu Xaa Gly Leu Cys Glu Leu Phe Gly Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Ser
20

<210> 1732

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1732

Asp Leu Arg Val Leu Cys Glu Leu Phe Gly Gly Ala Tyr Val Leu Gly
1 5 10 15

Tyr Cys Ser Glu

20

<210> 1733

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1733

Glu Ile Glu Ala Glu Trp Gly Arg Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15

Cys Val Gly Gly

20

<210> 1734

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1734

Glu Ile Glu Ala Glu Trp Gly Arg Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15

Cys Val Gly Gly

20

<210> 1735

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1735

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Gly Cys Pro Ser
20

<210> 1736

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1736

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Gly Cys Pro Ser
20

<210> 1737

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1737

Trp Leu Asp Leu Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Gly Cys Pro Ser
20

<210> 1738

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1738

Trp Leu Asp Gln Glu Trp Ala Gln Val Gln Cys Glu Val Phe Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1739
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1739
Trp Leu Asp Gln Glu Trp Gln Gln Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Thr Ser
20

<210> 1740
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1740
Arg Leu Asp Glu Glu Trp Ala Arg Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Arg Ser
20

<210> 1741
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1741
Trp Leu Glu Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1742
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1742
Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Pro Ser
20

<210> 1743
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1743
Trp Leu Asp Glu Glu Trp Glu Trp Ile Gln Cys Lys Val Tyr Gly Arg
1 5 10 15
Gly Cys Pro Ala
20

<210> 1744
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1744
Trp Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Gln Ser
20

<210> 1745
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1745

Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ala
20

<210> 1746

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1746

Ser Leu Asp Trp Glu Trp Ala Trp Leu Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1747

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1747

Trp Leu Glu Gln Glu Trp Glu Gln Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Pro
20

<210> 1748

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1748

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Tyr
20

<210> 1749
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1749
Trp Leu Asp Gln Glu Trp Ala Gly Val Leu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1750
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1750
Ser Leu Asp Lys Glu Trp Glu Trp Val Leu Cys Val Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1751
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1751
Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Ser
20

<210> 1752

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1752

Trp Leu Glu Glu Glu Trp Ala Gln Val Gln Cys Ala Val Tyr Gly Arg
1 5 10 15

Gly Cys Ser Ser

20

<210> 1753

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1753

Trp Leu Asp Gln Glu Trp Ala Leu Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1754

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1754

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1755

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 1755
Trp Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ala Ser
20

<210> 1756
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1756
Trp Leu Asp Gln Glu Trp Ala Trp Val Glu Cys Glu Val Tyr Gly Arg
1 5 10 15

Arg Cys Pro Ser
20

<210> 1757
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1757
Trp Leu Asp Gln Glu Trp Ala Trp Val Glu Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1758
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1758
Gln Leu Asp Gln Glu Trp Ala Trp Val Leu Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1759
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1759
Trp Leu Asp His Glu Xaa Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1760
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1760
Gln Leu Glu Gln Glu Trp Ala Trp Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ser Ser
20

<210> 1761
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1761
Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Leu Ser
20

<210> 1762

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1762

Trp Leu Asp Gln Glu Trp Ala Trp Val Arg Cys Glu Val Tyr Gly Leu
1 5 10 15

Gly Cys Pro Ser

20

<210> 1763

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1763

Trp Leu Asp Gln Glu Trp Ala Val Met Lys Cys Glu Leu Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1764

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1764

Trp Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Leu Ser

20

<210> 1765

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1765

Ser Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Gly Cys Leu Ser
20

<210> 1766

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1766

Trp Leu Asp His Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Gly Cys Thr Ser
20

<210> 1767

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1767

Trp Leu Asp Val Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Gly Cys Pro Ser
20

<210> 1768

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1768

Gln Leu Asp Gln Glu Trp Ala Arg Val Arg Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Ser Ser
20

<210> 1769
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1769
Trp Leu Asp Leu Glu Trp Ala Gln Val Gln Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1770
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1770
Trp Leu Asp Glu Glu Trp Ala Trp Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1771
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1771
Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Ala Phe
20

<210> 1772

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1772

Trp Leu Asp Arg Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Leu Ser

20

<210> 1773

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1773

Trp Leu Asp Ala Glu Trp Glu Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Pro

20

<210> 1774

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1774

Ser Leu Asp Arg Glu Trp Ala Tyr Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Ser Ser

20

<210> 1775

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1775

Arg Leu Asp Leu Glu Trp Ala Asn Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Pro Ser
20

<210> 1776

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1776

Trp Leu Glu Gln Glu Trp Ala Arg Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ser Ser

20

<210> 1777

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1777

Trp Leu Glu Gln Glu Trp Ile Leu Val Glu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Thr

20

<210> 1778

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1778

Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1779
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 1779
 Trp Leu Asp Gln Glu Trp Glu Trp Ile Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Leu
20

<210> 1780
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 1780
 Leu Leu Asp Glu Glu Trp Ala Gln Ile Glu Cys Glu Ile Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ser
20

<210> 1781
 <211> 20
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 1781
 Ala Leu Glu Glu Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
 1 5 10 15

Gly Cys His Phe
20

<210> 1782

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1782

Cys Xaa Glu Gln Glu Trp Gly Leu Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1783

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1783

Trp Leu Glu Gln Glu Trp Ala Tyr Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1784

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1784

Trp Leu Glu His Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Pro Tyr

20

<210> 1785

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1785

Trp Leu Glu Gln Glu Trp Ala Glu Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Arg

20

<210> 1786

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1786

Xaa Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1787

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1787

Trp Leu Glu Gln Glu Trp Ala Gly Ile Gln Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1788

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 1788
 Arg Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Leu Pro
 20

<210> 1789

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1789

Gln Leu Asp His Glu Trp Ala Gly Ile Gln Cys Glu Val Trp Gly Arg
 1 5 10 15

Gly Cys Pro Ser
 20

<210> 1790

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1790

Trp Leu Glu Gln Glu Trp Ala Gln Ile Gln Cys Glu Val Tyr Gly Ala
 1 5 10 15

Gly Cys Arg Ser
 20

<210> 1791

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 1791

Ser Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Val Val Tyr Gly Arg
 1 5 10 15

Gly Cys Pro Ile
20

<210> 1792
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1792
Trp Leu Glu Gln Glu Trp Asp Gln Val Leu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Tyr
20

<210> 1793
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1793
Trp Leu Glu Gln Glu Trp Ala Gln Val Xaa Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ala Xaa
20

<210> 1794
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1794
Trp Met Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1795

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1795

Gln Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Asn Cys Arg Thr

20

<210> 1796

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1796

Thr Leu Glu Gln Glu Trp Ala Gln Val Ile Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Leu Ser

20

<210> 1797

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1797

Arg Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Leu Ser

20

<210> 1798

<211> 20

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1798
Trp Leu Asp Gln Glu Trp Ala Leu Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ala
20

<210> 1799
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1799
Trp Leu Asp Gln Glu Trp Ala Gln Ile Gln Cys His Val Trp Gly Arg
1 5 10 15

Gly Cys Pro Ala
20

<210> 1800
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1800
Trp Leu Glu Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1801
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1801
Arg Leu Glu Glu Glu Trp Ala Trp Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1802
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1802
Trp Leu Glu Gln Glu Trp Val Arg Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1803
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1803
Trp Leu Glu Gln Glu Trp Thr Trp Val Gln Cys Glu Val Tyr Gly Cys
1 5 10 15

Gly Cys Pro Ser
20

<210> 1804
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1804
Trp Leu Glu Lys Glu Trp Ala Gly Val Gln Cys Glu Ile Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1805
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1805
Trp Leu Glu Glu Glu Trp Ala Trp Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15
Gly Cys Gln Ser
20

<210> 1806
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1806
Trp Leu Glu His Glu Trp Ala Gln Ile Gln Cys Glu Leu Tyr Gly Arg
1 5 10 15
Gly Cys Thr Tyr
20

<210> 1807
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1807
Ala Leu Glu Glu Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1808
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1808

Trp	Leu	Glu	Gln	Glu	Trp	Ala	Gln	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5					10					15	
Gly	Cys	Pro	Ser												
			20												

<210> 1809

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1809

Trp	Leu	Asp	Asp	Glu	Trp	Ala	Gln	Ile	Gln	Cys	Glu	Ile	Tyr	Gly	Arg
1				5					10					15	

Gly Cys Gln Ser

20

<210> 1810

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1810

Gln	Leu	Glu	Glu	Glu	Trp	Ala	Gly	Val	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5					10					15	

Glu Cys Pro Ser

20

<210> 1811

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1811

Trp	Leu	Glu	Gln	Glu	Trp	Leu	Leu	Val	Gln	Cys	Gly	Val	Tyr	Gly	Arg
1				5					10					15	

Gly Cys Pro Ser
20

<210> 1812
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1812
Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Ser
20

<210> 1813
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1813
Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Glu Val Ser Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1814
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1814
Trp Xaa Asp Gln Glu Trp Ala Leu Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1815

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1815

Ser Leu Asp Glu Glu Trp Ala Gly Val Leu Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Phe
20

<210> 1816

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1816

Ser Val Asp Gln Glu Leu Glu Trp Leu Met Cys His Phe Gln Gly Arg
1 5 10 15

Val Cys Pro Ser
20

<210> 1817

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1817

Trp Leu Glu Gln Glu Arg Ala Trp Ile Trp Cys Glu Ile Gln Gly Ser
1 5 10 15

Gly Cys Arg Ala
20

<210> 1818

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1818

Trp Val Asn Gln Ala Leu Gly Gly Val Gln Ser Asp Val Gln Gly Arg
1 5 10 15Arg Cys Gln Ser
20

<210> 1819

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1819

Leu Leu Asp His Glu Trp Pro Trp Val Gly Cys Glu Val Cys Gly Arg
1 5 10 15Gly Ser Leu Ser
20

<210> 1820

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1820

Trp Leu His Gln Glu Leu Ala Trp Val Arg Gly Glu Gly Tyr Pro Arg
1 5 10 15Gly Arg Arg Ser
20

<210> 1821

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1821

Trp Leu Gly His Asp Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Leu
 1 5 10 15

Gly Cys Pro Cys
 20

<210> 1822

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1822

Trp Ile Asp Gln Glu Gly Val Arg Val Gln Cys Glu Ala Xaa Gly Arg
 1 5 10 15

Ala Phe Pro Ser
 20

<210> 1823

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1823

Trp Arg Asp Glu Glu Trp Ala Trp Val Gln Gly Val Val Gln Gly Arg
 1 5 10 15

Gly Trp Pro Ala
 20

<210> 1824

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1824

Arg Leu Gly Val Glu Trp Ser Trp Phe Gln Arg Lys Val Tyr Gly Arg
 1 5 10 15

Asp Ser Thr Ser
20

<210> 1825
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1825
Trp Leu Ala Gln Gly Trp Ala Gly Val Gln Cys Val Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Asn
20

<210> 1826
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1826
Trp Leu Glu Glu Glu Xaa Ala Gly Ile Gln Cys Gln Val Xaa Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1827
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1827
Trp Leu Asp Gln Glu Trp Glu Trp Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Leu Ser
20

<210> 1828

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1828

Arg Leu Glu Gln Glu Trp Ala Leu Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1829

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1829

Trp Leu Glu Glu Trp Ala Gln Val Gln Cys Gln Val Tyr Gly Arg
1 5 10 15

Gly Cys Ala Ser

20

<210> 1830

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1830

Trp Leu Asp Leu Glu Xaa Glu Trp Leu Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ala Thr

20

<210> 1831

<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1831
Trp Leu Glu Gln Glu Trp Val Gln Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1832
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1832
Trp Leu Glu Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1833
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1833
Trp Leu Asp Gln Glu Trp Ala Arg Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Thr Tyr
20

<210> 1834
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1834

Tyr	Leu	Asp	Xaa	Glu	Trp	Ala	Trp	Val	Gln	Cys	Glu	Val	Tyr	Gly	Leu
1				5					10					15	
Gly	Cys	Gln	Ser												
			20												

<210> 1835

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1835

Trp	Leu	Asp	Val	Glu	Xaa	Ala	Trp	Val	Gln	Cys	Glu	Val	Trp	Gly	Arg
1				5					10					15	

Gly Cys Pro Ser

20

<210> 1836

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1836

Trp	Leu	Glu	Gln	Glu	Trp	Glu	Arg	Xaa	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1				5					10					15	

Gly Cys Pro Pro

20

<210> 1837

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1837

Trp Leu Glu Glu Glu Trp Ala Gln Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Leu Ser

20

<210> 1838

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1838

Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1839

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1839

Xaa Leu Glu His Glu Trp Ala Gln Ile Gln Cys Glu Val Xaa Gly Arg
1 5 10 15

Gly Cys Gln Ser

20

<210> 1840

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1840

Trp Leu Xaa Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Phe

20

<210> 1841

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1841

Trp Leu Asp Xaa Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1842

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1842

Gly Leu Glu Gln Gly Cys Pro Trp Val Gly Leu Glu Val Gln Cys Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1843

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1843
Trp Leu Glu Glu Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly His
1 5 10 15

Gly Cys Pro Ser
20

<210> 1844
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1844
Trp Leu Asp Gln Glu Trp Ala Gln Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Ser Ser
20

<210> 1845
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1845
Trp Leu Asp Gln Glu Trp Ala Gln Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1846
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1846
Trp Leu Asp Leu Glu Trp Glu Phe Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Thr
20

<210> 1847

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1847

Trp Leu Glu Gln Glu Trp Ala Ser Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1848

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1848

Trp Leu Asp Leu Glu Trp Glu Gln Ile Lys Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Phe

20

<210> 1849

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1849

Trp Leu Glu Gln Glu Trp Ala Gln Ile Gln Cys Gln Ile Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1850

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1850

Trp Leu Glu Gln Glu Trp Ala Leu Val Leu Cys Glu Val Tyr Gly His
1 5 10 15

Gly Cys Pro Ala

20

<210> 1851

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1851

Trp Leu Glu Gln Glu Trp Ala Gln Ile Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Ser Ser

20

<210> 1852

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1852

Trp Leu Glu Xaa Glu Trp Glu Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Xaa Ser

20

<210> 1853

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1853

Trp Leu Glu Gln Glu Trp Ala Gln Val Gln Cys Asp Val Tyr Gly Arg
1 5 10 15
Gly Cys Pro Ser
20

<210> 1854

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1854

Trp Leu Glu Gln Glu Xaa Ala Arg Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Pro Ser

20

<210> 1855

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1855

Trp Leu Xaa Gln Glu Trp Ala Arg Val His Cys Glu Val Trp Gly Arg
1 5 10 15

Pro Xaa Gln Cys

20

<210> 1856

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1856

Pro Leu Glu His Glu Trp Ala Trp Val Gln Cys Val Val Tyr Gly Arg
1 5 10 15

Gly Cys Arg Ser
20

<210> 1857

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1857

Ser Leu Glu Xaa Glu Trp Ala Trp Val Gln Cys Glu Val Xaa Gly Arg
1 5 10 15

Gly Cys Pro Xaa
20

<210> 1858

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1858

Trp Leu Asp Gln Glu Trp Val Arg Val Gln Cys Glu Val Trp Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1859

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1859
Ser Leu Asp Lys Glu Trp Ala Trp Val Lys Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1860
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1860
Leu Gly Asp Gln Glu Trp Ala Trp Val Glu Trp Glu Val Xaa Gly Arg
1 5 10 15

Gly Trp Pro Ser
20

<210> 1861
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1861
Trp Leu Glu Glu Glu Trp Ala Gln Ile Arg Cys Gly Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1862
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1862

Trp	Leu	Glu	Glu	Glu	Xaa	Gly	Trp	Val	Gln	Cys	Glu	Val	Trp	Gly	Arg
1				5					10				15		

Gly Cys Pro Pro

20

<210> 1863

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1863

Cys	Leu	Asp	Gln	Glu	Trp	Ala	Xaa	Val	Gln	Cys	Pro	Val	Tyr	Gly	Arg
1					5				10				15		

Gly Cys Pro Ser

20

<210> 1864

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1864

Gln	Leu	Glu	Leu	Glu	Trp	Ala	Arg	Val	Gln	Cys	Glu	Val	Trp	Asp	Arg
1					5				10				15		

Gly Cys Pro Ser

20

<210> 1865

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1865

Arg	Leu	Glu	Gln	Glu	Trp	Ala	Trp	Ile	Gln	Cys	Glu	Val	Tyr	Gly	Arg
1					5				10				15		

Gly Cys Arg Phe
20

<210> 1866
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 1866
Ser Leu Glu His Glu Xaa Ala Trp Val Gln Cys Lys Val Tyr Gly Arg
1 5 10 15

Gly Cys Xaa Ser
20

<210> 1867
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1867
Trp Leu Asp Gln Glu Trp Ala Trp Ile Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Pro
20

<210> 1868
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1868
Trp Leu Asp Gln Glu Trp Ala Gln Val Arg Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 1869

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1869

His Pro Pro Leu Glu His Leu Lys Ala Phe Leu Leu
1 5 10

<210> 1870

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1870

Ala Pro Thr Phe Tyr Ala Trp Phe Asn Gln Gln Thr
1 5 10

<210> 1871

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1871

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Lys
1 5 10

<210> 1872

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1872

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Lys
1 5 10

<210> 1873
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1873
His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile Lys Lys
1 5 10

<210> 1874
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1874
Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1875
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1875
Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1876
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1876
Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1877
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1877
Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1878
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1878
Ala Cys Val Trp Pro Thr Tyr Trp Ala Cys Gly
1 5 10

<210> 1879
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1879
Ala Cys Val Trp Pro Thr Tyr Ala Asn Cys Gly
1 5 10

<210> 1880
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1880
Ala Cys Val Trp Pro Thr Ala Trp Asn Cys Gly
1 5 10

<210> 1881

<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1881
Ala Cys Val Trp Pro Ala Tyr Trp Asn Cys Gly
1 5 10

<210> 1882
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1882
Ala Cys Val Trp Ala Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1883
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1883
Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1884
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1884
Ala Ala Val Trp Pro Thr Tyr Trp Asn Ala Gly
1 5 10

<210> 1885
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1885
Ala Ser Val Trp Pro Thr Tyr Trp Asn Ser Gly
1 5 10

<210> 1886
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1886
Ala Cys Pro Tyr Asn Trp Val Thr Trp Cys Gly
1 5 10

<210> 1887
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1887
Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1888
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1888
Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1889
<211> 11
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1889

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1890

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1890

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1891

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1891

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1892

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1892

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1893

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1893

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1894

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1894

Ala Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1895

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1895

Gly Cys Asn Trp Tyr Thr Pro Trp Val Cys Ala
1 5 10

<210> 1896

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1896

Ala Glu Val Trp Pro Thr Tyr Trp Asn Xaa Gly
1 5 10

<210> 1897

<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1897
Ala Cys Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1898
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1898
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1899
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1899
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1900
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1900
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1901
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1901
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1902
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1902
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1903
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1903
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1904
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1904
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1905
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1905
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1906
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1906
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1907
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1907

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1908

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1908

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1909

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1909

Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1910

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1910
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1911
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1911
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1912
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1912
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1913
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1913
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1914

<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1914
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1915
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1915
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1916
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1916
Ala Cys Xaa Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1917
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1917

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1918

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1918

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1919

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1919

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1920

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1920

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1921
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1921
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1922
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1922
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1923
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1923
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1924
<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1924
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1925
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1925
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1926
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents an unnatural amino acid

<400> 1926
Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1927
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1927

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1928

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1928

Ala Cys Val Trp Pro Thr Xaa Trp Asn Cys Gly
1 5 10

<210> 1929

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1929

Ala Cys Val Trp Pro Thr Tyr Trp Cys Gly
1 5 10

<210> 1930

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1930

Ala Cys Val Trp Pro Thr Trp Asn Cys Gly
1 5 10

<210> 1931

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1931

Ala Cys Val Trp Pro Tyr Trp Asn Cys Gly
1 5 10

<210> 1932

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1932

Ala Cys Val Trp Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1933

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1933

Ala Cys Val Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1934

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1934

Ala Cys Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1935

<211> 11

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1935
Ala Cys Val Trp Thr Tyr Trp Asn Pro Cys Gly
1 5 10

<210> 1936
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1936
Ala Cys Val Trp Thr Tyr Trp Pro Asn Cys Gly
1 5 10

<210> 1937
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1937
Ala Cys Val Trp Thr Tyr Pro Trp Asn Cys Gly
1 5 10

<210> 1938
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1938
Ala Cys Val Trp Thr Pro Tyr Trp Asn Cys Gly
1 5 10

<210> 1939
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1939
Ala Cys Val Pro Trp Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1940
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1940
Ala Cys Pro Val Trp Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1941
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1941
Ala Cys Trp Pro Thr Tyr Trp Asn Val Cys Gly
1 5 10

<210> 1942
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1942
Ala Cys Pro Thr Tyr Trp Asn Val Trp Cys Gly
1 5 10

<210> 1943
<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1943
Ala Cys Thr Tyr Trp Asn Val Trp Pro Cys Gly
1 5 10

<210> 1944
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1944
Ala Cys Tyr Trp Asn Val Trp Pro Thr Cys Gly
1 5 10

<210> 1945
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1945
Ala Cys Trp Asn Val Trp Pro Thr Tyr Cys Gly
1 5 10

<210> 1946
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1946
Ala Cys Asn Val Trp Pro Thr Tyr Trp Cys Gly
1 5 10

<210> 1947
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1947

Ala Cys Val Trp Pro Cys Gly
1 5

<210> 1948

<211> 10
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1948

Cys Val Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1949

<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1949

Ala Cys Trp Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1950

<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1950

Ala Cys Glu Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1951

<211> 11
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1951
Ala Cys Arg Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1952
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1952
Ala Cys Gln Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1953
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1953
Ala Cys Gly Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1954
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1954
Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5

<210> 1955
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1955
Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5

<210> 1956
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1956
Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5

<210> 1957
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1957
Trp Pro Thr Tyr Trp Asn Cys Gly Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10 15

<210> 1958
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1958
Ala Trp Pro Thr Tyr Trp Asn Cys Gly Ala Trp Pro Thr Tyr Trp Asn
1 5 10 15
Cys Gly

<210> 1959
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1959

Ala Cys Ala Xaa Pro Thr Tyr Trp Asn Cys Gly Lys
1 5 10

<210> 1960

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents an unnatural amino acid

<400> 1960

Ala Cys Ala Trp Pro Thr Tyr Xaa Asn Cys Gly Lys
1 5 10

<210> 1961

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1961

Gly Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1962

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1962

Asn Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1963

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1963
Val Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 1964
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1964
Ser Phe Tyr Glu Ala Ile His Gln Leu Leu Gly Val
1 5 10

<210> 1965
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1965
His Pro Pro Leu Glu His Leu Lys Ala Phe Leu Leu
1 5 10

<210> 1966
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1966
Ala Pro Thr Phe Tyr Ala Trp Phe Asn Gln Gln Thr
1 5 10

<210> 1967
<211> 13
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1967

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Lys
1 5 10

<210> 1968

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1968

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Lys
1 5 10

<210> 1969

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1969

His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile Lys Lys
1 5 10

<210> 1970

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1970

Leu Cys Gln Ser Leu Gly Val Thr Tyr Pro Gly Trp Leu Ala Gly Trp
1 5 10 15

Cys Ala

<210> 1971

<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1971
Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1972
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1972
Val Cys Gln Ser Leu Gly Ile Thr Asp Leu Gly Leu Cys Ala Gly Trp
1 5 10 15

Gly Ala

<210> 1973
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1973
Leu Cys Gln Ser Leu Gly Leu Thr His Pro Gly Phe Glu Ala Trp Leu
1 5 10 15

Cys Ala

<210> 1974
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 1974
Leu Cys Gln Asn Phe Gly Val Thr Asp Pro Gly Cys Phe Tyr Gly Trp
1 5 10 15

Phe Ala

<210> 1975
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1975
Pro Cys Gln Arg Leu Gly Asp Thr His Leu Cys Trp Leu Ala Gly Trp
1 5 10 15

Phe Ala

<210> 1976
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1976
Leu Cys Gln Ser Ser Gly Leu Ser Phe Leu Gly Cys Leu Gly Trp Trp
1 5 10 15

Ala

<210> 1977
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 1977
Leu Cys Gln Ser Leu Gly Phe Thr Asp Leu Asp Trp Leu Ala Cys Trp
1 5 10 15

Phe Glu

<210> 1978
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1978
Val Cys Gln Gly Leu Gly Val Glu Cys Pro Gly Trp Phe Ala Gly Trp
1 5 10 15

Trp Ala

<210> 1979
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1979
Pro Cys Gln Ser Leu Gly Leu Thr Cys Ser Gly Trp Phe Glu Gly Trp
1 5 10 15

Gly Ala

<210> 1980
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1980
Leu Cys Gln Gly Trp Gly Ile Arg Ile Gly Trp Leu Val Gly Arg Cys
1 5 10 15

Met

<210> 1981
<211> 18

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1981

Leu Trp Gln Ser Val Gly Ile Lys Tyr Pro Gly Gly Leu Ala Gly Trp
1 5 10 15

Leu Ala

<210> 1982

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1982

Gln Trp Gln Ser Leu Gly Val Thr Cys Pro Gly Ser Trp Ala Glu Leu
1 5 10 15

Cys Ala

<210> 1983

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1983

Leu Cys Gln Ser Leu Gly Val Thr Tyr Trp Glu Gly Leu Ala Trp Leu
1 5 10 15

Cys Ala

<210> 1984

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1984

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1985

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1985

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1986

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1986

Leu Cys Glu Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1987

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1987

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Val Gly Leu Cys
1 5 10 15

Pro

<210> 1988

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1988

Leu Cys Gln Gly Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1989

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1989

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Val Gly Leu Cys
1 5 10 15

Pro

<210> 1990

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1990

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Thr Gly Leu Cys
1 5 10 15

Pro

<210> 1991

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1991

Met Cys Gln Ser Trp Asp Val Arg Ile Gly Arg Leu Gly Gly Gln Cys
1 5 10 15

Pro

<210> 1992

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1992

Leu Cys Gln Gly Trp Asp Val Arg Ile Gly Gln Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1993

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1993

Leu Cys Gln Gly Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1994

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 1994

Leu Cys Gln Ser Trp Asp Val Arg Ile Gly Trp Val Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1995

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 1995

Leu Cys Gln Ser Trp Asp Ala Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1996

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1996

Leu Cys Leu Gly Xaa Asp Val Arg Ile Gly Leu Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1997

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 1997

Leu Xaa Lys Ser Trp Asp Val Arg Ser Gly Leu Met Ala Gly Leu Cys
1 5 10 15

Pro

<210> 1998
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1998
Leu Cys Gln Ser Trp Asp Ala Cys Ile Gln Trp Leu Val Gly Leu Ser
1 5 10 15

Pro

<210> 1999
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 1999
Leu Cys Arg Ser Trp Glu Glu Cys Ile Gly Trp Leu Val Gly Pro Gln
1 5 10 15

Pro

<210> 2000
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2000
Leu Cys Gln Ser Trp Gly Glu Cys Ile Asp Arg Leu Val Gly Gln Gly
1 5 10 15

Ala

<210> 2001

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2001

Leu Cys Gln Gly Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2002

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2002

Leu Cys Gln Gly Trp Ala Val His Ile Gly Gln Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2003

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2003

Leu Cys Gln Gly Trp Gly Val His Ile Gly Arg Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2004

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2004

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2005

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2005

Leu Cys Gln Ser Trp Gly Val His Ile Gly Arg Leu Ala Gly Leu Cys
1 5 10 15

Pro

<210> 2006

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2006

Pro Lys Gly Thr Arg Phe Arg Gly Asp Val Asp Val Trp Asp Gly Tyr
1 5 10 15

Ser Trp Leu Ala

20

<210> 2007

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2007

Thr Pro Ile Pro Ala Gly Gly Ile Asn Ile Ala Ser Trp Gly Gly Tyr
1 5 10 15

Thr Trp Leu Ser
20

<210> 2008
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2008
His Arg Gly Thr Val Thr Gly Val Trp Val Ala Arg Trp Pro Gly Tyr
1 5 10 15

Glu Trp Leu Ser
20

<210> 2009
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2009
Ser Asp Val Trp Ala Gln Pro Gln Arg Arg Asn Asp Trp Pro Gly Tyr
1 5 10 15

His Trp Leu Ser
20

<210> 2010
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2010
His Arg Gly Thr Val Thr Gly Val Trp Val Ala Arg Trp Pro Gly Tyr
1 5 10 15

Glu Trp Leu Ser
20

<210> 2011

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2011

Ser Asp Val Trp Ala Gln Pro Gln Arg Arg Asn Asp Trp Pro Gly Tyr
1 5 10 15

His Trp Leu Ser

20

<210> 2012

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2012

Arg Pro His Arg Ile Asn Pro Gln Asp Asp Ala Val Trp Pro Gly Tyr
1 5 10 15

Leu Trp Leu Gly

20

<210> 2013

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2013

His Arg Gly Thr Val Thr Gly Val Trp Val Ala Arg Trp Pro Gly Tyr
1 5 10 15

Glu Trp Leu Ser

20

<210> 2014

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2014
Phe Gly Arg Gly Tyr Gly Gly Asp Gly Gly Tyr Trp Ser Gly Tyr
1 5 10 15

Glu Trp Leu Ala
20

<210> 2015
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2015
Asp Gly Leu Val Val Lys Ser Gly Arg Glu Trp Pro Gly Tyr Gly Trp
1 5 10 15

Leu Glu Arg Gln Ala
20

<210> 2016
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2016
Asp Gly Ser Ile Val Gln Val Ser Ser Ser Val Gly Trp Pro Gly Tyr
1 5 10 15

Glu Trp Leu Met
20

<210> 2017
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2017
Trp Gln Gln Ala Asn Leu Ser Asn Gly Gly Arg Trp Gly Gly Tyr
1 5 10 15

Asp Trp Leu Met
20

<210> 2018
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2018
Phe Gly Arg Gly Tyr Gly Gly Asp Gly Gly Tyr Trp Ser Gly Tyr
1 5 10 15

Glu Trp Leu Ala
20

<210> 2019
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2019
Val Asn Tyr Glu Met Asp Arg Val Pro Pro Met Pro Trp Gly Gly Tyr
1 5 10 15

Trp Trp Leu Ser
20

<210> 2020
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2020
Met Gly Gly Gly Leu Trp Val Gly Val His Ile Trp Pro Gly Tyr Ser
1 5 10 15

Trp Leu Ser Gln
20

<210> 2021
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2021
Ser Asp Val Trp Ala Gln Pro Gln Arg Arg Asn Asp Trp Pro Gly Tyr
1 5 10 15

His Trp Leu Ser
20

<210> 2022
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2022
Trp Pro Gly Tyr Leu Phe Phe Glu Glu Ala Leu Gln Asp Trp Arg Gly
1 5 10 15

Ser Thr Glu Asp
20

<210> 2023
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2023
Ser Met Phe Val Ala Gly Ser Asp Arg Trp Pro Gly Tyr Gly Val Leu
1 5 10 15

Ala Asp Trp Leu
20

<210> 2024
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2024

Val Arg Gly Phe Gln Gly Gly Thr Val Trp Pro Gly Tyr Glu Trp Leu
1 5 10 15

Arg Asn Ala Ala

20

<210> 2025

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2025

Leu Asp Leu Ala Ser Gly Asp Ser Trp Leu Gly Tyr Asp Val Leu Arg
1 5 10 15

Gly Trp Leu Ser

20

<210> 2026

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2026

Ile His Ser Ser Asp Gly Ile Gly Ala Trp Gly Gly Tyr Ala Trp Phe
1 5 10 15

Arg Asp Val Ala

20

<210> 2027

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2027

Leu Gly Pro Leu Leu Arg Trp Gly Ser Glu Val Cys Gly Val Trp Pro
1 5 10 15

Asp Leu Cys Glu

20

<210> 2028
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2028
Pro Phe Gly Phe Gly Gly Arg Trp Trp Gly Ile Pro Arg Met Trp Trp
1 5 10 15

Tyr Arg Asn Ser
20

<210> 2029
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2029
Trp Trp Trp Gly Gly Arg Asn Arg Trp Trp Leu Glu Arg Trp Gly Leu
1 5 10 15

Gly Gly Glu Arg
20

<210> 2030
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2030
Gly Arg Val Ala Leu Trp Gly Pro Val Trp Pro Arg Trp Trp Phe Met
1 5 10 15

Ser Arg Pro Val
20

<210> 2031
<211> 39
<212> PRT

<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2031
Arg Gly Thr Arg Thr Asp Arg Leu Trp Lys Ser Gly Gly Phe Ala Ile
1 5 10 15

Val Pro Arg Trp Pro Cys Phe Ser Tyr His Cys Leu Val Glu Trp Ile
20 25 30

Thr Lys Thr Gly Ser Pro Gly
35

<210> 2032
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2032
Gly Arg Thr Ser Met Ala Phe Val Pro Pro Arg His Leu Gln Pro Glu
1 5 10 15

Leu Ala Pro Arg Pro Val Arg Asn His Ala Trp Leu Val Gly Gly Gly
20 25 30

<210> 2033
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2033
Cys Leu Gly Ala Gly Ser Phe Arg Ala Gly Ile Leu Cys Leu Gly Gly
1 5 10 15

Leu Pro Val Ser
20

<210> 2034
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2034

Gly Phe Trp Ala Thr Ala Cys Gly Gly Leu Gln Ile Cys Glu Glu Leu
1 5 10 15

Gly Leu Lys Pro
20

<210> 2035

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2035

Asp Leu Phe Cys Ala Tyr Met Ala Gln Ala Leu Gly Leu Gly Gln Asp
1 5 10 15

Leu Ser Cys Gly
20

<210> 2036

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2036

Arg His Leu Leu Leu Pro Gln Ile Trp Ile Ala Ser Xaa Gly Gly Trp
1 5 10 15

Gly Met Gly

<210> 2037

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2037

Asp His Arg Leu Cys Gly Thr Asp Glu Tyr Leu Met Gln Asp Leu Phe
1 5 10 15

Val Arg Gly Leu Cys Arg Leu Ile Trp
20 25

<210> 2038

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2038

Gly Leu Leu Phe Cys Lys Gln Leu Phe Thr Leu Ala Gly Leu Gln Pro
1 5 10 15

Glu Ala Gly Cys Val Ser Ser Ser Arg
20 25

<210> 2039

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2039

Ile Trp Ile Ala Cys Leu Asp Glu Leu Leu Arg Gly Gln Val Trp Ser
1 5 10 15

Ser Cys Arg Arg Ala Pro Ile Gly
20 25

<210> 2040

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2040

Asp Trp Leu Arg Cys Leu Gly Val Ile Leu Ser Gly Gly Leu Thr Glu
1 5 10 15

Leu Ala Asn Thr Gly Cys Val Gln Gly
20 25

<210> 2041

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2041

Trp Phe Ser Phe Cys Leu Gly Gly Leu Leu Gln Ala Gln Glu Trp Ser
1 5 10 15

Val Trp Gly Arg Asp Val Gly Cys Ile
20 25

<210> 2042

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2042

Gly Tyr Ser Trp Leu Arg Asp Val Leu Met Glu Lys Gln Ala Gln Leu
1 5 10 15

Lys Arg Glu Gly Ser Val Gly Arg Gln
20 25

<210> 2043

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2043

Phe Leu Thr Arg Leu Leu Glu Arg Leu Gly Leu Ser Xaa Glu Arg Gly
1 5 10 15

Glu Ala Gly Gly Pro Tyr Ala Gln Ala
20 25

<210> 2044

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2044

Phe Ser Gly Phe Cys Met Gly Leu Glu Arg Leu Ser Gln Val Ser Leu
1 5 10 15

Gly Tyr Cys Gly Ala Gly Gln Gly Gly
20 25

<210> 2045

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2045

Ile Ser Phe Arg Cys Gln Leu Phe Val Leu Ala Gly Met His Pro Cys
1 5 10 15

Pro Val Asp Val Gly Gly Glu Gly Phe
20 25

<210> 2046

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2046

Asn Thr Pro Asn Cys Ser Gln Asp Trp Gly Gln Glu Ser Gly Phe Met
1 5 10 15

Ala Leu Leu Leu Ala Leu Thr Cys Lys
20 25

<210> 2047

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2047

Leu Gln Gly Phe Cys Glu Leu Leu Ala Thr Val Thr Gly Val Thr Gly
1 5 10 15Leu Gly Cys Leu Asp Tyr Gln Pro Ile
20 25

<210> 2048

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2048

Gly Ser Ser Ile Cys Asn Leu Leu Ala Arg Ala Gln Ile Val Glu Leu
1 5 10 15Ala Leu Cys Glu Met Gly Val Gln Glu
20 25

<210> 2049

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2049

Leu Ser Phe Ala Cys Leu Leu Ser Gln Leu Ser Gly Val Val Leu Pro
1 5 10 15Asp Cys Leu Leu Gly Glu Asp
20

<210> 2050

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2050

Gly Glu His Phe Cys Gln Leu Leu Met Ser Leu Cys Gly Asp Asp Cys
 1 5 10 15

Gly Pro Val Asn Cys Gly Gly Ser
 20 25

<210> 2051

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2051

Gly Trp Phe Glu Cys Leu Leu Ala Ser Leu Val Leu Gln Val Pro Gln
 1 5 10 15

Gly Arg Ser Arg Ala Ser Ala Val Cys
 20 25

<210> 2052

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2052

Tyr Arg Gln Glu Cys Ala Cys Ser Val Gly Ala Val Gly Phe Leu Cys
 1 5 10 15

Gly Leu Ala Cys Leu Ala Arg Ser Gly
 20 25

<210> 2053

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2053

Leu Ser Cys Leu Ala Tyr Ser Arg His Gly Ile Trp Arg Pro Ser Thr
 1 5 10 15

Asp Leu Gly Leu Gly Arg Ser Val Gly Glu Gly Ser Val Ser Thr Arg
 20 25 30

Trp Arg Gly Tyr Asp Trp Phe Glu
35 40

<210> 2054
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2054
Gly Leu Asp His Ser Asp Ala Val Gly Val His Leu Gly Phe Ala Trp
1 5 10 15

Pro Ala Gln Ala Arg Gly Arg Trp Glu Ala Gly Gly Leu Glu Asp Thr
20 25 30

Trp Ala Gly Tyr Asp Trp Leu
35

<210> 2055
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2055
Trp Gln Gly Tyr Ala Trp Leu Ser
1 5

<210> 2056
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2056
Leu Ser Cys Leu Ala Tyr Ser Arg His Gly Ile Trp Arg Pro Ser Thr
1 5 10 15

Asp Leu Gly Leu Gly Arg Ser Val Gly Glu Gly Ser Val Ser Thr Arg
20 25 30

Trp Arg Gly Tyr Asp Trp Phe Glu
35 40

<210> 2057

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2057

Glu Ala Met Ala Val Gly Leu Gln Cys Pro Ala Arg Phe Val Arg Ala

1

5

10

15

Ala Ala His Gly Asp Gly Gly Ser Trp Gly Gln Asp His Val Gln Ala

20

25

30

Trp Gly Gly Tyr Trp Trp Leu Gly

35

40

<210> 2058

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2058

His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly

1

5

10

15

Tyr Cys Ser Gly

20

<210> 2059

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2059

His Phe Tyr Val Leu Val Glu Arg Leu Ser Gly Ala Ser Leu Phe Gly

1

5

10

15

Ser Gly Ser Ala

20

<210> 2060

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2060

His Arg Phe Val Arg Glu Gly Leu Leu Trp Gly Ala Tyr Gln Phe Cys
1 5 10 15

Tyr Cys Ser Gly

20

<210> 2061

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2061

Phe Gln Ser Leu Leu Glu Glu Leu Val Trp Gly Ala Pro Leu Phe Arg
1 5 10 15

Tyr Gly Thr Gly

20

<210> 2062

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2062

His Leu Ser Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2063

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2063
His Leu Ser Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2064
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2064
Asn Leu Cys Arg Leu Glu Glu Leu Ala Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ala Gly
20

<210> 2065
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2065
Ala Pro Val Ser Thr Glu Glu Leu Arg Trp Gly Ala Leu Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2066
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2066
His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2067

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2067

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Ala Ala Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2068

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2068

His Leu Ser Ile Leu Glu Glu Gln Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2069

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2069

His Met Ser Val Glu Glu Leu Ser Trp Trp Ala Ser Leu Phe Gly Lys
1 5 10 15

Gln Ala Gly

<210> 2070

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2070

His Leu Ser Glu Leu Glu Glu Arg Trp Trp Arg Ala Thr Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2071

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2071

His Leu Ser Val Leu Glu Glu Leu Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2072

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2072

His Leu Ser Leu Leu Glu Glu Gln Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2073

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2073

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Glu Thr Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2074

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2074

His Leu Ser Val Leu Glu Glu Gln Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2075

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2075

His Leu Ser Val Leu Glu Glu Gln Trp Trp Gln Glu Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2076

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2076

His Leu Ser Val Leu Glu Glu Leu Trp Trp Arg Glu Ala Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2077

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2077

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Ala Thr Leu Phe Gly
1 5 10 15

Glu Trp Ala Gly

20

<210> 2078

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2078

His Leu Gln Val Leu Glu Glu Leu Leu Trp Gly Val Ser Leu Phe Arg
1 5 10 15

Gln Trp Ala Gly

20

<210> 2079

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2079

His Leu Ser Ala Leu Glu Glu Gln Trp Trp Arg Ala Thr Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2080

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2080

His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Ala Thr Leu Leu Glu
1 5 10 15

Ser Gly Gln

<210> 2081

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2081

His Leu Ser Ala Leu Glu Glu Leu Trp Trp Arg Glu Thr Leu Phe Gly
1 5 10 15Gln Trp Ala Gly
20

<210> 2082

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2082

His Leu Ser Val Leu Glu Glu Leu Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15Lys Trp Ala Gly
20

<210> 2083

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2083

His Leu Ser Val Leu Glu Glu Ala Trp Trp Arg Glu Ser Leu Phe Gly
1 5 10 15

His Trp Ala Gly
20

<210> 2084
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2084
His Met Ser Glu Gln Glu Glu Leu Trp Trp Arg Ala Thr Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2085
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2085
His Leu Ser Val Leu Glu Glu Arg Trp Trp Arg Glu Thr Leu Phe Gly
1 5 10 15

Glu Trp Ala Gly
20

<210> 2086
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2086
His Arg Ser Val Leu Lys Gln Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2087

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2087

His Leu Xaa Val Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Val Gly
1 5 10 15

Gln Trp Ala Val

20

<210> 2088

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2088

His Leu Ser Val Leu Glu Glu Leu Xaa Leu Gly Ala Ser Met Phe Gly
1 5 10 15

Leu Trp Ala Gly

20

<210> 2089

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2089

His Leu Ser Val Leu Lys Glu Leu Ser Trp Xaa Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2090
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2090
His Leu Ser Ala Leu Glu Glu Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2091
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 2091
His Leu Ser Val Leu Ala Glu Leu Ser Xaa Gly Ala Leu Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly
20

<210> 2092
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2092
Arg Leu Ser Val Leu Glu Gln Leu Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Pro Trp Ala Gly
20

<210> 2093

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2093

His Leu Xaa Val Leu Val Gln Pro Ser Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2094

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2094

His Gln Ser Val Leu Glu Glu Leu Ser Arg Xaa Ala Ser Leu Phe Gly
1 5 10 15

Gln Trp Ala Gly

20

<210> 2095

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2095

Asp Met Ser Val Leu Gly Gly Leu Ser Trp Gly Ala Xaa Leu Phe Gly
1 5 10 15

Gln Trp Ser Gly
20

<210> 2096
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2096
His Leu Ser Val Arg Glu Gly Gln Leu Trp Arg Ala Ser Met Phe Gly
1 5 10 15

Arg Trp Ala Gly
20

<210> 2097
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 2097
Gln Leu Ser Val Leu Val Glu Leu Xaa Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Pro Trp Ala Ala
20

<210> 2098
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable or unknown amino acid

<400> 2098
His Leu Ser Val Gly Glu Glu Leu Ser Trp Xaa Val Ala Leu Leu Gly
1 5 10 15

Gln Trp Ala Arg
20

<210> 2099
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2099
Lys Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp
1 5 10 15

Phe Val Glu Ala Leu Ala Lys Lys
20

<210> 2100
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2100
Lys Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe
1 5 10 15

Tyr Glu Trp Phe Ala Lys Lys
20

<210> 2101
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2101
Lys Trp Ser Ala Leu Leu Ser Val Met Asp Thr Gly Phe Tyr Ala Trp
1 5 10 15

Phe Asp Asp Ala Val Lys Lys
20

<210> 2102
<211> 23

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2102
Lys Gly His Ser Trp Ala Leu Val Arg His Val Asp Arg Leu Phe Tyr
1 5 10 15

Glu Trp Phe Asp Leu Lys Lys
20

<210> 2103
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2103
Lys Arg Asp Lys Pro Thr Asp Gln Glu Glu Gln Asn Trp Ser Phe Tyr
1 5 10 15

Glu Trp Phe Arg His Lys Lys
20

<210> 2104
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2104
Lys Val Phe Trp Asn Cys Arg Ser Gln Gln Leu Asp Phe Tyr Glu Trp
1 5 10 15

Trp Phe Glu Gln Ala Ala Lys Lys
20

<210> 2105
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2105
 Lys Leu Glu Ser His Tyr Val Val Pro Gln Ala Ala Leu Asp Arg Leu
 1 5 10 15

Phe Tyr Ser Trp Phe Ser Lys Lys
 20

<210> 2106
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2106
 Lys Phe Tyr Gly Trp Phe Ser Arg Gln Leu Ser Leu Thr Pro Arg Asp
 1 5 10 15
 Asp Trp Gly Leu Pro Lys Lys
 20

<210> 2107
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2107
 Lys Ser Ala Pro Gly Leu Val Ser Asn Lys Gln Asp Gly Leu Phe Tyr
 1 5 10 15
 Ser Trp Phe Arg Glu Lys Lys
 20

<210> 2108
 <211> 23
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2108
 Lys Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg
 1 5 10 15
 Lys His Gly Ala Gly Lys Lys
 20

<210> 2109

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2109

Lys Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe
1 5 10 15

Arg Ala Ala Val Gly Lys Lys
20

<210> 2110

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2110

Asp Tyr Lys Asp Cys Trp Ala Arg Pro Cys Gly Asp Ala Ala Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Ala Ser Lys Lys
20 25

<210> 2111

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2111

Asp Tyr Lys Asp Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
20 25

<210> 2112

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2112

Ser Ala Lys Asn Phe Tyr Asp Trp Phe Val Lys Lys
1 5 10

<210> 2113

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2113

Ala Asp Lys Asn Phe Tyr Asp Trp Phe Met Ala Ala Lys Lys
1 5 10

<210> 2114

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2114

Asp Tyr Lys Asp Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu
1 5 10 15

Ala Gly Leu Cys Pro Lys Lys

20

<210> 2115

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2115

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2116

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2116

Asp Tyr Lys Asp Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser
1 5 10 15

Ala Arg Ala Gly Gly Thr Arg Asp Lys Lys
20 25

<210> 2117

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2117

Lys Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val Gly Ala Val
1 5 10 15

Tyr Gly Ala Trp Asp Lys Lys
20

<210> 2118

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2118

Lys Val Arg Gly Phe Gln Gly Gly Thr Val Trp Pro Gly Tyr Glu Trp
1 5 10 15

Leu Arg Asn Ala Ala Lys Lys
20

<210> 2119

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2119

Lys Ser Met Phe Val Ala Gly Ser Asp Arg Trp Pro Gly Tyr Gly Val
 1 5 10 15

Leu Ala Asp Trp Leu Lys Lys
 20

<210> 2120

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2120

Lys Glu Ile Glu Ala Glu Trp Gly Arg Val Arg Cys Leu Val Tyr Gly
 1 5 10 15

Arg Cys Val Gly Gly Lys Lys
 20

<210> 2121

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2121

Lys Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly
 1 5 10 15

Arg Gly Cys Pro Ser Lys Lys
 20

<210> 2122

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2122

Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe
 1 5 10 15

Gly Tyr Cys Ser Gly Lys Lys
20

<210> 2123

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2123

Asp Tyr Lys Asp Glu Arg Ser Ala Ala Gly Phe Arg Gly Asn Phe Tyr
1 5 10 15

Asp Trp Phe Val Ala Gln Val Asn Lys Lys
20 25

<210> 2124

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2124

Leu Gly Glu Asn Phe Tyr Asp Trp Phe Val Met Gln Val Arg Lys Lys
1 5 10 15

<210> 2125

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2125

Asp Tyr Lys Asp Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser
1 5 10 15

Ala Arg Ala Gly Gly Thr Arg Asp Lys Lys
20 25

<210> 2126

<211> 27

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2126
Asp Tyr Lys Asp Cys Trp Ala Arg Pro Cys Gly Asp Ala Ala Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Ala Ser Lys Lys
20 25

<210> 2127
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2127
Lys Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly
1 5 10 15

Arg Gly Cys Pro Ser Lys Lys
20

<210> 2128
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2128
Lys Arg Gly Phe Gln Gly Gly Thr Val Trp Pro Gly Tyr Glu Trp Leu
1 5 10 15

Arg Asn Ala

<210> 2129
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2129
Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe
1 5 10 15

Gly Tyr Cys Ser Gly Lys Lys
20

<210> 2130
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2130
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2131
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2131
Arg Leu Tyr Tyr Glu Trp Phe Trp Gly Gln Leu Glu Ala Gln Gly Arg
1 5 10 15

Gly Gly Leu Ser
20

<210> 2132
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2132
Gly Leu Glu Gln Gly Cys Pro Trp Val Gly Leu Glu Val Gln Cys Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 2133
<211> 20
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2133

Phe Tyr Cys Gly Leu Glu Glu Leu Ser Trp Gly Ala Ala Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly

20

<210> 2134

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2134

Gly Asn Gly Asp Gly Met Phe Tyr Gln Leu Leu Ser Leu Leu Val Gly
1 5 10 15

Arg Asp Met His

20

<210> 2135

<211> 26

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2135

Gly Ile Ile Ser Gln Ser Cys Pro Glu Ser Phe Tyr Asp Trp Phe Ala
1 5 10 15

Gly Gln Val Ser Asp Pro Trp Trp Cys Trp

20 25

<210> 2136

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2136
Val Glu Gly Arg Gly Leu Phe Tyr Asp Leu Leu Arg Gln Leu Leu Ala
1 5 10 15

Arg Arg Gln Asn Gly
20

<210> 2137
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2137
Arg Ala Met Ser Phe Tyr Asp Ala Leu Val Ser Val Leu Gly Leu Gly
1 5 10 15

Pro Lys Lys

<210> 2138
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2138
Gly Ser Arg Pro Val Phe His Glu Gln Phe Tyr Glu Trp Phe Val Asp
1 5 10 15

Gln Leu Gly Leu
20

<210> 2139
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2139
Arg Ser Glu Ala Ser Phe His Val Glu Phe Tyr Ser Trp Phe Glu Glu
1 5 10 15

Gln Leu Arg Ser
20

<210> 2140

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2140

Gly Arg Phe Tyr Gly Trp Phe Gln Asp Ala Ile Asp Gln Leu Met Pro
1 5 10 15

Trp Gly Phe Asp

20

<210> 2141

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2141

Pro Pro Trp Gly Ala Arg Phe Tyr Asp Ala Ile Glu Gln Leu Val Phe
1 5 10 15

Asp Asn Leu

<210> 2142

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2142

Ala Gly Val Asn Ala Gly Phe Tyr Arg Tyr Phe Ser Thr Leu Leu Asp
1 5 10 15

Trp Trp Asp Gln Gly Lys Lys

20

<210> 2143

<211> 27

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2143
Thr Phe Tyr Ser Cys Leu Ala Ser Leu Leu Thr Gly Thr Pro Gln Pro
1 5 10 15
Asn Arg Gly Pro Trp Glu Arg Cys Arg Lys Lys
20 25

<210> 2144
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2144
Ala Ala Val His Glu Gln Phe Tyr Asp Trp Phe Ala Asp Gln Tyr Lys
1 5 10 15
Lys

<210> 2145
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2145
Gln Ser Phe Tyr Asp Tyr Ile Glu Glu Leu Leu Gly Gly Glu Trp Lys
1 5 10 15
Lys

<210> 2146
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2146

Gln Ser Phe Tyr Asp Tyr Ile Glu Glu Leu Leu Gly Gly Glu Trp Glu
 1 5 10 15

Glu

<210> 2147

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2147

Gly Ser Leu Asp Glu Ser Phe Tyr Asp Trp Phe Glu Arg Gln Leu Gly
 1 5 10 15

Lys Lys

<210> 2148

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2148

Gly Ser Phe Tyr Glu Ala Leu Gln Arg Leu Val Gly Gly Glu Gln Gly
 1 5 10 15

Lys Lys

<210> 2149

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2149

Gln Ala Pro Ser Asn Phe Tyr Asp Trp Phe Val Arg Glu Trp Asp Lys
 1 5 10 15

Lys

<210> 2150

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2150

Asp Pro Phe Tyr Gln Gly Leu Trp Glu Trp Leu Arg Glu Ser Gly Lys
1 5 10 15

Lys

<210> 2151

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2151

Ala Ser Gly Phe Pro Glu Asn Phe Tyr Asp Trp Phe Gly Arg Gln Leu
1 5 10 15

Ser Leu Lys Lys

20

<210> 2152

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2152

Ser Ala Cys Gln Phe Asp Cys His Glu Asn Phe Tyr Asp Trp Phe Ala
1 5 10 15

Arg Gln Lys Lys

20

<210> 2153

<211> 20

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2153
Ser Gln Ala Gly Ser Ala Phe Tyr Ala Trp Phe Asp Gln Val Leu Arg
1 5 10 15

Thr Val Lys Lys
20

<210> 2154
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2154
Val Met Asp Ala Arg Asp Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
1 5 10 15

Val Thr Lys Lys
20

<210> 2155
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2155
Gln Ser Asp Ala Phe Tyr Ser Gly Leu Trp Ala Leu Ile Gly Leu Ser
1 5 10 15

Asp Gly Lys Lys
20

<210> 2156
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2156
Leu Gln Pro Cys Ser Gly Phe Tyr Glu Cys Ile Glu Arg Leu Ile Gly
1 5 10 15

Val Lys Lys

<210> 2157
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2157
Leu Lys Asp Gly Phe Tyr Asp Tyr Phe Trp Gln Arg Leu His Leu Gly
1 5 10 15

Ser Lys Lys

<210> 2158
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2158
Gly Ser Ala Ser Phe Tyr Asp Ala Ile Asp Arg Leu Leu Arg Met Arg
1 5 10 15

Ile Lys Lys

<210> 2159
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2159
Trp Pro Gly Tyr Leu Phe Phe Glu Glu Ala Leu Gln Asp Trp Arg Gly
1 5 10 15

Ser Thr Glu Asp
20

<210> 2160
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2160
Ala Phe Tyr Asp Trp Phe Ala Lys Lys
1 5

<210> 2161
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2161
Leu Asp Ala Leu Asp Arg Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser
1 5 10 15

Leu

<210> 2162
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2162
Pro Leu Ala Glu Leu Trp Ala Tyr Phe Glu His Ser Glu Gln Gly Arg
1 5 10 15

Ser Ser Ala His
20

<210> 2163
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2163

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Leu Gly

20

<210> 2164

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2164

Asn Gly Val Glu Arg Ala Gly Thr Gly Asp Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Gln Leu His

20

<210> 2165

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2165

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Phe Thr Leu Phe Glu Trp
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 2166

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2166

Glu His Trp Asn Thr Val Asp Pro Phe Tyr Gln Tyr Phe Ser Glu Leu
1 5 10 15

Leu Arg Glu Ser Gly

20

<210> 2167
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2167
Gln Ser Asp Ser Gly Thr Val His Asp Arg Phe Tyr Gly Trp Phe Arg
1 5 10 15

Asp Thr Trp Ala Ser
20

<210> 2168
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2168
Phe Gln Ser Leu Leu Glu Glu Leu Val Trp Gly Ala Pro Leu Phe Arg
1 5 10 15

Tyr Gly Thr Gly
20

<210> 2169
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2169
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 2170
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2170

Gln Leu Glu Glu Glu Trp Ala Gly Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15Glu Cys Pro Ser
20

<210> 2171

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2171

Ile Gln Gly Trp Glu Pro Phe Tyr Gly Trp Phe Asp Asp Val Val Ala
1 5 10 15Gln Met Phe Glu Glu
20

<210> 2172

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2172

Arg Trp Pro Asn Phe Tyr Gly Tyr Phe Glu Ser Leu Leu Thr His Phe
1 5 10 15

Ser

<210> 2173

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2173

His Tyr Asn Ala Phe Tyr Glu Tyr Phe Gln Val Leu Leu Ala Glu Thr
 1 5 10 15

Trp

<210> 2174
 <211> 17
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 2174
 Glu Gly Trp Asp Phe Tyr Ser Tyr Phe Ser Gly Leu Leu Ala Ser Val
 1 5 10 15

Thr

<210> 2175
 <211> 44
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 2175
 Asp Tyr Lys Asp Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu
 1 5 10 15

 Trp Ser Val Trp Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr
 20 25 30

His Lys Leu Ser Glu Leu Leu Arg Glu Ser Gly Ala
 35 40

<210> 2176
 <211> 44
 <212> PRT
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence: synthetic peptide

 <400> 2176
 Asp Tyr Lys Asp Arg His Leu Thr Asn Ala Glu Leu Gly Val Gln Ser
 1 5 10 15

Pro Glu Val Leu Ser Arg Leu Phe Pro Asp Gly Asp Ile Phe Tyr Arg
 20 25 30

Ala Leu Ser His Leu Val Arg Gly Met Gly Pro Pro
 35 40

<210> 2177
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2177
 Asp Tyr Lys Asp Arg Gly Gly Met Asp Arg Gln Trp Leu Asp Val Gly
 1 5 10 15

Ala Arg His Arg Leu Glu Arg Arg Ser Val Gln Asp Asn Thr Asp Asp
 20 25 30

Phe Tyr Gly Gly Leu Arg Ile Leu Val Asp Gly Phe
 35 40

<210> 2178
 <211> 44
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2178
 Asp Tyr Lys Asp Gly Pro Pro Asp Ser Phe Asp Val Thr Glu Lys Gly
 1 5 10 15

Asp Met Ala Ile Leu Asn Val Arg Phe Asp Pro His Ser Leu Asp Phe
 20 25 30

Asn Asp Gln Thr Phe Tyr Phe Leu Leu Asp Ser Leu
 35 40

<210> 2179
 <211> 38
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2179

Asp Tyr Lys Asp Gly Gly Thr Tyr Phe Arg Gly Gln Val Ala Gln Ser
 1 5 10 15

Asn Glu Ser Leu Leu Arg Val Asn Phe Leu Gln Leu Leu Glu Ala Leu
 20 25 30

Ala Ala Ser Pro Pro Thr
 35

<210> 2180

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2180

Asp Tyr Lys Asp Ala Pro Leu Asp Ala Arg Leu Ser Ala Pro Arg Phe
 1 5 10 15

Gln Trp Ser Pro Arg Thr Trp Arg Gln Ser Leu Ser Tyr Gly Glu Trp
 20 25 30

Ser Cys Gly Ser Phe Tyr Asp Cys Leu Ser Ser Ile
 35 40

<210> 2181

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2181

Asp Tyr Lys Asp Met Gly Ser Ser Gln Phe Gln Asp Thr Arg Pro Ser
 1 5 10 15

Ser Gly Gln Ala Tyr Ser His Ser Leu Asp Ser Asp Gly Trp Gly Thr
 20 25 30

Ala Asn Trp Ile Phe Leu Arg Ala Leu Glu Gly Leu
 35 40

<210> 2182

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2182

Asp Tyr Lys Asp Ser Gly Ala Ala His Glu Gly Asn Gln Gly Arg Glu
1 5 10 15

Arg Ser Thr His Leu Ala Ala Asn Ile Asn Asp His Leu Pro Gly Asp
20 25 30

Ala Gly Ile Trp Leu Gly Tyr Ser Trp Leu Ser
35 40

<210> 2183

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2183

Val Cys Gly Asp Arg Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly
1 5 10 15

Ser Ser Ser Arg
20

<210> 2184

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2184

Met Ser Ser Ser His Leu Phe Tyr Leu Ala Leu Cys Leu Leu Thr Phe
1 5 10 15

Thr Ser Ser Ala
20

<210> 2185

<211> 42

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2185

Thr Thr Lys Thr Arg Gly Ile Phe Gly Met Leu Leu Gly Val Leu Arg
 1 5 10 15

Phe Gln Ile Leu Leu Trp Pro Phe Pro Lys Asp Cys Val Gln Met Lys
 20 25 30

Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu
 35 40

<210> 2186

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2186

Thr Thr Lys Thr Arg Ile Gly Cys Cys Ser Leu Val Trp Gly Trp Arg
 1 5 10 15

Gly Cys Arg Leu Ala Asp Gly Phe Tyr Ala Phe Leu Met Ala Leu Ala
 20 25 30

Gly

<210> 2187

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2187

Thr Thr Lys Thr Arg Leu Arg Leu Leu Leu Leu Gly Gly Asp Glu
 1 5 10 15

Pro Phe Tyr Gly Leu Leu Arg Met Leu Ile Gly Arg Gly Ser
 20 25 30

<210> 2188

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2188

Thr Thr Lys Thr Gly Trp Phe Ala Trp Val Leu Ala Phe Ser Val Gln
 1 5 10 15

Gly Val Gly Val Ala Phe Tyr Ser Ala Leu Ala Ala Leu Leu Cys Ala
 20 25 30

His Ser Ala Ser Leu Val Cys Gly Ala
 35 40

<210> 2189

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2189

Asp Tyr Lys Asp Pro Leu Tyr Gly Gly Gly Ile His Leu Tyr Tyr Pro
 1 5 10 15

Gly Thr Met Gly Tyr Val Pro Gly Phe Pro Arg Gln Val Lys Val Leu
 20 25 30

Gly Asp Ala Asp Lys Asn Phe Tyr Asp Trp Phe Met
 35 40

<210> 2190

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2190

Asp Tyr Lys Asp Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp
 1 5 10 15

Gly Ala Gly Lys Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys
 20 25 30

Val Phe Ala Val Asn Phe Tyr Asp Trp Phe Val
 35 40

<210> 2191

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2191
Asp Tyr Lys Asp Ser Gly Cys Cys Arg Leu Leu Gly Leu Arg Trp Met
1 5 10 15

Phe Ile Val Ile Val Gly Trp Ser Gly Ala Leu Val Cys Gln Ser Ala
20 25 30

Ala Ser Ala Ala Gly Phe Tyr Asp Trp Phe Val
35 40

<210> 2192
<211> 70
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2192
Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe
1 5 10 15

Val Cys Gly Asp Arg Gly Phe Tyr Phe Asn Lys Pro Thr Gly Tyr Gly
20 25 30

Ser Ser Ser Arg Arg Ala Pro Gln Thr Gly Ile Val Asp Glu Cys Cys
35 40 45

Phe Arg Ser Cys Asp Leu Arg Arg Leu Glu Met Tyr Cys Ala Pro Leu
50 55 60

Lys Pro Ala Lys Ser Ala
65 70

<210> 2193
<211> 139
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2193
gactacaaag actcgtgggtt gaattttcggttatgttgctggcgtgccta ggtttcagat 60
tcttctgtgg ccgtttccta aggattgtgt tcagatgaaa gatattttt attcgttggtt 120
ggcttagtttgcggccgca 139

<210> 2194
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2194
Asp Tyr Lys Asp Ser Trp Leu Asn Phe Arg Tyr Val Ala Gly Arg Ala
1 5 10 15

Gln Val Ser Asp Ser Ser Val Ala Val Ser
20 25

<210> 2195
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2195
Gly Leu Cys Ser Asp Glu Arg Tyr Phe Leu Phe Val Val Gly Gln Phe
1 5 10 15

Gly Gly Arg

<210> 2196
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2196
Thr Thr Lys Thr Arg Gly
1 5

<210> 2197
<211> 39
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2197
Ile Phe Gly His Leu Leu Gly Val Leu Arg Phe Gln Ile Leu Leu Trp
1 5 10 15

Pro Phe Pro Lys Asp Cys Val Gln Met Lys Asp Ile Phe Tyr Ser Leu
20 25 30

Leu Ala Ser Leu Ala Ala Ala
35

<210> 2198
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2198
Leu Gln Arg Leu Val Val Glu Phe Ser Val Cys Cys Trp Ala Cys Leu
1 5 10 15

Gly Phe Arg Phe Phe Cys Gly Arg Phe Leu Arg Ile Val Phe Arg
20 25 30

<210> 2199
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2199
Lys Ile Phe Phe Ile Arg Cys Trp Leu Val Trp Arg Pro
1 5 10

<210> 2200
<211> 100
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2200
gactacaaag acgcgggttgc ggctgctgtt gtccttgcc ggtatgagc ctttttatgg 60
gcttctccgt atgctgattt gtcgtgggtc tgcggccgca 100

<210> 2201
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 2201
 Asp Tyr Lys Asp Ala Val Ala Ala Ala Val Ala Trp Gly
 1 5 10

<210> 2202
 <211> 17
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2202
 Ala Phe Leu Trp Ala Ser Pro Tyr Ala Asp Trp Ser Trp Val Cys Gly
 1 5 10 15

Arg

<210> 2203
 <211> 33
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2203
 Thr Thr Lys Thr Arg Leu Arg Leu Leu Leu Leu Gly Gly Asp Glu
 1 5 10 15

Pro Phe Tyr Gly Leu Leu Arg His Leu Ile Gly Arg Gly Ser Ala Ala
 20 25 30

Ala

<210> 2204
 <211> 24
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2204
 Leu Gln Arg Arg Gly Cys Gly Cys Cys Ser Leu Gly Val Met Ser
 1 5 10 15

Leu Phe His Gly Phe Ser Val Cys
20

<210> 2205

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2205

Leu Val Val Gly Leu Arg Pro
1 5

<210> 2206

<211> 139

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 2206

gactacaaag actgggttgtt ttgcttggtt gtgtatgattttt gctttttctt ttttaggggggt 60
cggtgtggct ttttactcag cgttggctgc cttgttgtgtt gcccatagtt cttcttttgtt 120
gtgtggtgcg gcggccgca 139

<210> 2207

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2207

Asp Tyr Lys Asp Trp Leu Val Cys Leu Gly Val Met Ile Ser Phe Phe
1 5 10 15

Cys Leu Gly Gly Arg Cys Gly Phe Leu Leu Ser Val Gly Cys Leu Val
20 25 30

Val Cys Pro Gln Cys Phe Phe Gly Val Trp Cys Gly Gly Arg
35 40 45

<210> 2208

<211> 10

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2208
Thr Thr Lys Thr Gly Trp Phe Ala Trp Val
1 5 10

<210> 2209
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2209
Leu Ala Phe Ser Val Gln Gly Val Gly Val Ala Phe Tyr Ser Ala Leu
1 5 10 15

Ala Ala Leu Leu Cys Ala His Ser Ala Ser Leu Val Cys Gly Ala Ala
20 25 30

Ala Ala

<210> 2210
<211> 45
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2210
Leu Gln Arg Leu Val Gly Leu Leu Gly Cys Asp Asp Gln Leu Phe Leu
1 5 10 15

Phe Arg Gly Ser Val Trp Leu Phe Thr Gln Arg Trp Leu Pro Cys Cys
20 25 30

Val Pro Ile Val Leu Leu Trp Cys Val Val Arg Arg Pro
35 40 45

<210> 2211
<211> 112
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2211
gactacaaag acccggattg ggtgtttagt ctgatttttttggaa gggatgttag 60
attggctgat gggtttatatcgatggcgtggct ggggcggccg ca 112

<210> 2212
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2212
Asp Tyr Lys Asp Pro Asp Trp Val Leu Gln Leu Ile Ser Leu Gly Leu
1 5 10 15

Glu Gly Met Gln Ile Gly
20

<210> 2213
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2213
Trp Val Leu Cys Val Phe Asp Gly Ala Gly Trp Gly Gly Arg
1 5 10

<210> 2214
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2214
Thr Thr Lys Thr Arg Ile Gly Cys Cys Ser
1 5 10

<210> 2215
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 2215
 Leu Val Trp Gly Trp Arg Gly Cys Arg Leu Ala Asp Gly Phe Tyr Ala
 1 5 10 15

Phe Leu Met Ala Leu Ala Gly Ala Ala Ala
 20 25

<210> 2216

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2216

Leu Gln Arg Pro Gly Leu Gly Val Val Ala Asp Gln Phe Gly Val Gly
 1 5 10 15

Gly Asp Val Asp Trp Leu Met Gly Phe Met Arg Phe
 20 25

<210> 2217

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2217

Trp Arg Trp Leu Gly Arg Pro
 1 5

<210> 2218

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
 peptide

<400> 2218

Ala Glu Thr Pro Ala Gln Val Gly Trp Asn Arg Leu Trp Ser Val Trp
 1 5 10 15

Pro Gly Glu His Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser
 20 25 30

Glu Leu Leu Arg Glu Ser Gly Ala
35 40

<210> 2219
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2219
Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Leu Arg Glu
1 5 10 15

Lys Lys

<210> 2220
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2220
Met Leu Leu Gly Val Leu Arg Phe Gln Ile Leu Leu Trp Pro Phe Pro
1 5 10 15

Lys Asp Cys Val Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser
20 25 30

Leu

<210> 2221
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2221
Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu Ala Ala Lys
1 5 10 15

Lys

<210> 2222

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2222

Pro Leu Tyr Gly Gly Gly Ile His Leu Tyr Tyr Pro Gly Thr Met Gly
1 5 10 15

Tyr Val Pro Gly Phe Pro Arg Gln Val Lys Val Leu Gly Asp Ala Asp
20 25 30

Lys Asn Phe Tyr Asp Trp Phe Met
35 40

<210> 2223

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2223

Ala Asp Lys Asn Phe Tyr Asp Trp Phe Met Ala Ala Lys Lys
1 5 10

<210> 2224

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2224

Tyr Arg Gly Met Leu Val Leu Gly Arg Ile Ser Asp Gly Ala Gly Lys
1 5 10 15

Val Ala Ser Glu Pro Pro Ala Arg Ile Gly Gln Lys Val Phe Ala Val
20 25 30

Asn Phe Tyr Asp Trp Phe Val
35

<210> 2225

<211> 12

<212> PRT

Ile Gly Gln Lys Val Phe Ala Val Asn Phe Tyr Asp Trp Phe Val Ala
 35 40 45

Ala Ala
 50

<210> 2228
<211> 154
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2228
ctacaaagac gacgatgaca agtaccgtgg tatgctggtt ctgggtcgta tctctgacgg 60
tgctggtaaa gttgcttctg aaccgccggc tcgtatcggt cagaaagttt tcgctgttaa 120
cttctacgac tggttcgttg cggccgcagt gtga 154

<210> 2229
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<220>
<221> CDS
<222> (1)..(75)

<220>
<223> "n" bases represent a, t, c, g, other or unknown;
Xaa represents a variable or unknown amino acid

<400> 2229
gac tac aaa gac nnk nnk nnk nnk nnk nnk nnk nnk nnk aac ttc 48
Asp Tyr Lys Asp Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Phe
1 5 10 15

tac gac tgg ttc gtt nnk nnk nnk nnk
Tyr Asp Trp Phe Val Xaa Xaa Xaa Xaa 75
20 25

<210> 2230
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2230

Asp	Tyr	Lys	Asp	Xaa	Asn	Phe							
1				5				10				15	

Tyr	Asp	Trp	Phe	Val	Xaa	Xaa	Xaa
				20			25

<210> 2231

<211> 88

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<223> "n" bases represent a, t, c, g, other or unknown

<400> 2231

ctacaaagac	nnknnknnkn	nknknknkn	knnknnknnk	aacttctacg	actggttcgt	60
tnnknnknnk	nnkgcggccg	cagtgtga				88

<210> 2232

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2232

Asp	Tyr	Lys	Asp	Leu	Cys	Gln	Ser	Leu	Gly	Val	Thr	Tyr	Pro	Gly	Trp
1				5				10				15			

Leu	Ala	Gly	Trp	Cys	Ala	Lys	Lys
				20			

<210> 2233

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2233

Asp	Tyr	Lys	Asp	Trp	Cys	Leu	Thr	Leu	Gln	Pro	Leu	Val	Trp	Ala	Ser
1				5				10				15			

Gly	Gly	Gly	Tyr	Cys	Ala	Lys	Lys
				20			

<210> 2234

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2234

Asp Tyr Lys Asp Val Cys Gln Arg Leu Gly Gly Thr Phe Pro Gly Trp
1 5 10 15

Leu Val Gly Val Cys Arg Lys Lys
20

<210> 2235

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2235

Asp Tyr Lys Asp Leu Cys Gln Arg Leu Gly Val Gly Trp Pro Gly Trp
1 5 10 15

Leu Ser Gly Trp Cys Ala Lys Lys
20

<210> 2236

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2236

Asp Tyr Lys Asp Leu Cys Gln Ser Leu Gly Val Thr Trp Pro Gly Trp
1 5 10 15

Leu Ala Gly Trp Cys Ala Lys Lys
20

<210> 2237

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2237

Asp Tyr Lys Asp Arg Ile His Asn Gln Thr Glu Arg Gly Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val His Gln Leu Val Ala Ala Ala
20 25

<210> 2238

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2238

Asp Tyr Lys Asp Val Ala Thr Val His Val Gly Gly Met Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Gly Ala Ala Ala
20 25

<210> 2239

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2239

Asp Tyr Lys Asp Lys Asp Pro Val Thr Val Ser Gln Gly Arg Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Val Gln Ile Gln Ala Ala Ala
20 25

<210> 2240

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2240
Asp Tyr Lys Asp Arg Val Gly Ser Gly Met Glu Asp Leu Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Gln Ala Gln Ala Ala Ala
20 25

<210> 2241
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2241
Asp Tyr Lys Asp His Lys Ser Trp Thr Thr Met Ser Pro Leu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Glu Ala Ala Ala
20 25

<210> 2242
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2242
Asp Tyr Lys Asp Leu Ala Met Ser Val Ala Ser Arg Pro Ala Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Ile Val Ala Ala Ala
20 25

<210> 2243
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2243
Asp Tyr Lys Asp Arg Ala Glu Arg Gly Ser Met Arg Asp Ser Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Leu Pro Ala Ala Ala
20 25

<210> 2244

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2244

Asp Tyr Lys Asp Val Gln Glu Gly Leu Ser Gly Met Glu Gly Asn Phe
1 5 10 15Tyr Asp Trp Phe Val Asp Gln Leu Phe Ala Ala Ala
20 25

<210> 2245

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2245

Asp Tyr Lys Asp Arg Gly Gln Arg Glu Ser Asp Ser Gly Thr Asn Phe
1 5 10 15Tyr Asp Trp Phe Val Gly Ala Ile Arg Ala Ala Ala
20 25

<210> 2246

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2246

Asp Tyr Lys Asp Ser Arg Ala Pro Tyr Gly Ser Thr Ala Gly Asn Phe
1 5 10 15Tyr Asp Trp Phe Val Gln Ala Val Ser Ala Ala Ala
20 25

<210> 2247

<211> 28

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2247
Asp Tyr Lys Asp Arg Val Gly Ile Gln Val Asp Pro His Thr Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ile Gln Leu Thr Ala Ala Ala
20 25

<210> 2248
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2248
Asp Tyr Lys Asp Val Gly Gln Val Gly Arg Tyr Val Arg Ser Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Ala Met Ala Ala Ala
20 25

<210> 2249
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2249
Asp Tyr Lys Asp Arg Pro Gln Leu Val Glu Ser Gly Ser Lys Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Val Val Arg Ala Ala Ala
20 25

<210> 2250
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2250

Asp Tyr Lys Asp Glu Met Tyr Gly Asp Thr Ser Glu Arg Val Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Ala Leu Gln Ala Ala Ala
20 25

<210> 2251

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2251

Asp Tyr Lys Asp Leu Ser Ser Arg Gly Arg Val Thr Met Arg Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Val Ala Ala Ala
20 25

<210> 2252

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2252

Asp Tyr Lys Asp Arg Val Arg Glu Lys Leu Pro Arg Pro Glu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Asn Gln Ile His Ala Ala Ala
20 25

<210> 2253

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2253

Asp Tyr Lys Asp Thr Trp Met Trp Glu Glu Arg Lys Gln Asp Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gly Gln Leu Lys Ala Ala Ala
20 25

<210> 2254

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2254

Asp Tyr Lys Asp Arg Tyr Arg Gly Glu Arg His Asp Gly Arg Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Glu Gln Val Asn Ala Ala Ala
20 25

<210> 2255

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2255

Asp Tyr Lys Asp Gln Gly Ala Glu Gly Arg Leu Ser Glu Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Ala Val Ser Ala Ala Ala
20 25

<210> 2256

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2256

Asp Tyr Lys Asp Tyr Ser Ile Glu Val Gln Asp Trp Asn Glu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Leu Gly Ala Ala Ala
20 25

<210> 2257

<211> 28

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2257
Asp Tyr Lys Asp Pro Arg Leu His Met Gly Ser Asp Met Gly Asp Phe
1 5 10 15

Tyr Asp Trp Phe Val Val Gln Ile Ala Ala Ala Ala
20 25

<210> 2258
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2258
Asp Tyr Lys Asp Gly Arg Gly Gln Gly Leu Lys Arg Pro Asp Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Ala Ala Lys Ala Ala Ala
20 25

<210> 2259
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2259
Asp Tyr Lys Asp Gly Ala Val Gly Leu Ala Glu Ala Gly Pro Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Val Gln Ala Ala Ala
20 25

<210> 2260
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2260
Asp Tyr Gln Asp Pro Ala Ser Asn Lys Asn Ser Leu Ala Glu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Thr Arg Ala Ala Ala
20 25

<210> 2261
<211> 29
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2261
Asp Tyr Lys Asp Asp Ala Arg Asp His Gly Val Trp Val Met Ser Asn
1 5 10 15

Phe Tyr Asp Trp Phe Val Ala Gln Val Ser Ala Ala Ala
20 25

<210> 2262
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2262
Asp Tyr Lys Asp Ser Leu Gln Gly Ala Asp Phe Gln Gln Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Glu Leu Ala Ala Ala Ala
20 25

<210> 2263
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2263
Asp Tyr Lys Asp Arg Pro Ser Leu Pro Glu Val Arg Pro Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Ser Val Arg Ala Ala Ala
20 25

<210> 2264
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2264
Asp Tyr Lys Asp Asn Pro Thr Ser Val Gln Gln Tyr Gly Val Asn Phe
1 5 10 15
Tyr Asp Trp Phe Val Asn Val Leu Ser Ala Ala Ala
20 25

<210> 2265
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2265
Asp Tyr Lys Asp Cys Ala Asp Pro Gly Ala Cys Ser Ser Leu Asn Phe
1 5 10 15
Tyr Asp Trp Phe Val Gln Met Arg Gly Ala Ala Ala
20 25

<210> 2266
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2266
Asp Tyr Lys Asp Tyr Asp Gln Asp Pro Pro Tyr Trp Gly Leu Asn Phe
1 5 10 15
Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala
20 25

<210> 2267
<211> 28
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2267

Asp Tyr Lys Asp Arg Pro Val Ile Gly Gly Gly Thr Arg Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Met Ile Ala Ala Ala
20 25

<210> 2268

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2268

Asp Tyr Lys Asp Gln Glu Val Thr Arg Thr Arg Asp Asp Lys Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Ile Phe Ala Ala Ala
20 25

<210> 2269

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2269

Asp Tyr Lys Asp Pro Pro Tyr Arg Ser Ser Arg Leu Gly Glu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Met Gln Val Arg Ala Ala Ala
20 25

<210> 2270

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2270

Asp Tyr Lys Asp Leu Lys Gly Ser Ser Gln Pro Leu Ser Val Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Ile Lys Ala Ala Ala
20 25

<210> 2271
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2271
Asp Tyr Lys Asp Pro Arg Met Val Glu Lys Pro Ser Glu Asp Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Thr Gln Leu Ser Ala Ala Ala
20 25

<210> 2272
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2272
Asp Tyr Lys Asp Cys Trp Ala Arg Pro Cys Gly Asp Ala Ala Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Ala Ser Ala Ala Ala
20 25

<210> 2273
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2273
Asp Tyr Lys Asp Gly Ala Gln Ala Ile Arg Glu Ile His His Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Thr Ala Ala Ala
20 25

<210> 2274

<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2274
Asp Tyr Lys Asp Gly Arg Gly Asp Gln Arg His Glu Thr Thr Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Glu Leu Gln Ala Ala Ala
20 25

<210> 2275
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2275
Asp Tyr Lys Asp Gly Ser Ile Ala Gln Leu Ile Met Arg Ala Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Glu Gln Thr Asn Ala Ala Ala
20 25

<210> 2276
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2276
Asp Tyr Lys Asp Arg Leu Met Gly Gly Ile Ala Glu Pro Gln Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala Ala
20 25

<210> 2277
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 2277

Asp Tyr Lys Asp His His Ser Pro Gly Asn Glu His Gly Tyr Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Leu Gln Val Ala Ala Ala Ala
20 25

<210> 2278

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2278

Asp Tyr Lys Asp Glu Arg Ser Ala Ala Gly Phe Arg Glu Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Asn Ala Ala Ala
20 25

<210> 2279

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2279

Asp Tyr Lys Asp Gly Ser Gln His Ser Gly Arg Glu Pro His Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Gly Ala Ala Ala
20 25

<210> 2280

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2280

Asp Tyr Lys Asp Ile Ala Arg Met Arg Glu Thr Phe Gln Pro Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Asp Gln Leu Ala Ala Ala Ala
20 25

<210> 2281
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2281
Asp Tyr Lys Asp Arg Leu Asp Arg Ser Ser Thr Ser Gly Val Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Val Gly Ala Ala Ala
20 25

<210> 2282
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2282
Asp Tyr Lys Asp Gly Leu Arg Ser Glu Gln Gly Asn Arg Leu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Gln Ile Ala Ala Ala Ala
20 25

<210> 2283
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2283
Asp Tyr Lys Asp Ser Val Ile Gln Thr Arg Gln Asp Glu Thr Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ala Met Ser Ala Ala Ala
20 25

<210> 2284
<211> 28

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2284
Asp Tyr Lys Asp Val Glu Val Gln Arg His Ile Arg Lys Asp Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Lys Gln Ile Asp Ala Ala Ala
20 25

<210> 2285
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2285
Asp Tyr Lys Asp Val Thr Met Leu Asp Lys Gly Ala Gln Asp Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala Ala
20 25

<210> 2286
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2286
Asp Tyr Lys Asp His Asn Ser Ser Ser Pro Met Arg Thr Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Glu Leu Arg Ala Ala Ala
20 25

<210> 2287
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2287

Asp Tyr Lys Asp Glu Arg Ser Pro Arg Pro Ala Leu Ala Ser Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Val Val Ala Ala Ala
20 25

<210> 2288

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2288

Asp Tyr Lys Asp Ser Asp Ala Arg Gln Ala Gly Leu Gln Glu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Val Arg Ala Ala Ala
20 25

<210> 2289

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2289

Asp Tyr Lys Asp Arg His Glu Arg Gly Lys Glu Gly Pro Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Val Val Ala Ala Ala
20 25

<210> 2290

<211> 27

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2290

Asp Tyr Lys Asp Ser Ala Leu Ser Gly Pro Val Gln Pro Ile Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Thr Gly Met Ala Ala Ala
20 25

<210> 2291
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2291
Asp Tyr Lys Asp His Val Glu His Met Ala Val Gly Asp Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Val Gln Leu Arg Ala Ala Ala
20 25

<210> 2292
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2292
Asp Tyr Lys Asp Val Gly His Ser Gly Val Pro Pro Tyr Pro Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Met Gln Val Ser Ala Ala Ala
20 25

<210> 2293
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2293
Asp Tyr Lys Asp Leu Gly Ala Ala Glu Thr Trp Asp Gly Ile Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Lys Gln Val Ser Ala Ala Ala
20 25

<210> 2294
<211> 28
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2294

Asp Tyr Lys Asp Arg Ser Ser Gly Gly Leu Leu Ser Gln Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ser Gln Leu Glu Ala Ala Ala
20 25

<210> 2295

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2295

Asp Tyr Lys Asp Leu Ala Ile Asn Asp Leu Val Thr His Lys Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Asp Gln Leu Arg Ala Ala Ala
20 25

<210> 2296

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2296

Asp Tyr Lys Asp Arg Gly Met Thr Gly Met Val Gly Arg Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gly Gln Leu Arg Ala Ala Ala
20 25

<210> 2297

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2297
Asp Tyr Lys Asp Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Glu Ala Leu Ala Ala Ala Ala
20 25

<210> 2298
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2298
Asp Tyr Lys Asp Gln Ser Val Asp Leu Ser Arg Pro Asp Ser Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Glu Val Leu Ser Ala Ala Ala
20 25

<210> 2299
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2299
Asp Tyr Lys Asp Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Gln Val Ser Ala Ala Ala
20 25

<210> 2300
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2300
Asp Tyr Lys Asp Ser Asn Pro Ser Arg Gln Asp Ala Ser Val Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Arg Glu Val Ala Ala Ala Ala
20 25

<210> 2301

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2301

Asp Tyr Lys Asp Ile Val Ala Gly Ala Arg His Ser Glu Val Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Ile Gln Val Arg Ala Ala Ala
20 25

<210> 2302

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2302

Asp Tyr Lys Asp Xaa Asp Gly Gln Ser Val Ser Ser Lys Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Gln Gln Met Thr Ala Ala Ala
20 25

<210> 2303

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2303

Asp Tyr Lys Asp Ala Glu Leu Val Gly Ala Gly Val Arg Gly Asn Phe
1 5 10 15

Tyr Asp Trp Phe Val Asp Gln Leu Val Ala Ala Ala
20 25

<210> 2304

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2304

Asp	His	Lys	Asp	Ser	Ala	Gly	His	His	Met	Pro	Arg	Glu	Ser	Asn	Phe
1															

5

10

15

Tyr	Asp	Trp	Phe	Val	Asp	Gln	Val	Val	Ala	Ala	Ala
									20	25	

<210> 2305

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2305

Asp	Tyr	Lys	Asp	Asp	Ser	Ser	Arg	Leu	Trp	Leu	Gly	Glu	Arg	Asn	Phe
1															

5

10

15

Tyr	Asp	Trp	Phe	Val	Ala	Gln	Ile	Ser	Ala	Ala	Ala
									20	25	

<210> 2306

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2306

Leu	Cys	Gln	Ser	Leu	Gly	Val	Thr	Tyr	Pro	Gly	Trp	Leu	Ala	Gly	Trp
1															

5

10

15

Cys Ala

<210> 2307

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2307

Val	Cys	Gln	Arg	Leu	Gly	Gly	Thr	Phe	Pro	Gly	Trp	Leu	Val	Gly	Val
1				5					10				15		

Cys Arg

<210> 2308

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2308

Leu	Cys	Gln	Ser	Trp	Gly	Val	Arg	Ile	Gly	Trp	Leu	Ala	Gly	Leu	Cys
1				5					10				15		

Pro

<210> 2309

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2309

Leu	Cys	Gln	Ser	Leu	Gly	Phe	Thr	Asp	Leu	Asp	Trp	Leu	Ala	Cys	Trp
1				5					10				15		

Phe Glu

<210> 2310

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2310

Val	Cys	Gln	Ser	Leu	Gly	Ile	Thr	Asp	Leu	Gly	Leu	Cys	Ala	Gly	Trp
1				5					10				15		

Gly Ala

<210> 2311
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2311
Leu Cys Gln Ser Leu Gly Leu Thr His Pro Gly Phe Glu Ala Trp Leu
1 5 10 15

Cys Ala

<210> 2312
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2312
Leu Cys Gln Asn Phe Gly Val Thr Asp Pro Gly Cys Phe Tyr Gly Trp
1 5 10 15

Phe Ala

<210> 2313
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2313
Leu Cys Gln Ser Ser Gly Leu Ser Phe Leu Gly Cys Leu Gly Trp Trp
1 5 10 15

Ala

<210> 2314
<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2314

Pro Cys Gln Arg Leu Gly Asp Thr His Leu Cys Trp Leu Ala Gly Trp
1 5 10 15

Phe Ala

<210> 2315

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2315

Pro Cys Gln Ser Leu Gly Leu Thr Cys Ser Gly Trp Phe Glu Gly Trp
1 5 10 15

Gly Ala

<210> 2316

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2316

Gln Trp Gln Ser Leu Gly Val Thr Cys Pro Gly Ser Trp Ala Glu Leu
1 5 10 15

Cys Ala

<210> 2317

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2317

Leu Trp Gln Ser Val Gly Ile Lys Tyr Pro Gly Gly Leu Ala Gly Trp
1 5 10 15

Leu Ala

<210> 2318

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2318

Leu Cys Gln Ser Leu Gly Val Thr Tyr Trp Glu Gly Leu Ala Trp Leu
1 5 10 15

Cys Ala

<210> 2319

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2319

Val Cys Gln Gly Leu Gly Val Glu Cys Pro Gly Trp Phe Ala Gly Trp
1 5 10 15

Trp Ala

<210> 2320

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2320

Leu Cys Gln Gly Trp Gly Ile Arg Ile Gly Trp Leu Val Gly Arg Cys
1 5 10 15

Met

<210> 2321

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2321

Leu Cys Gln Ser Leu Gly Val Thr Tyr Pro Gly Trp Leu Ala Gly Gly
1 5 10 15

Cys Ala

<210> 2322

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<223> "n" bases represent a, t, c, g, other or unknown

<400> 2322

ccggaattcg gcccagccgg ccnnn 25

<210> 2323

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<223> "n" bases represent a, t, c, g, other or unknown

<400> 2323

ccggaattcg gcccagccgg ccnnn 25

<210> 2324

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>
 <223> "n" bases represent a, t, c, g, other or unknown
 <400> 2324
 ccggaattcg gcccagccgg ccnnnn 25

<210> 2325
 <211> 26
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2325
 Trp Gly Glu Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser
 1 5 10 15
 Gly Gly Gly Gly Ser Gly Gly Gly Ser
 20 25

<210> 2326
 <211> 79
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>
 <223> "n" bases represent a, t, c, g, other or unknown

<400> 2326
 nnvaccgg tccctggga ccagtggcag aggagtccac ctccgccaag tccgcctcca 60
 ccgagaccgc caccgccta 79

<210> 2327
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2327
 Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
 1 5 10

<210> 2328
 <211> 66

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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2328
tggacgttcg gccaaaggac caaggtggaa atcaaagcgg ccgcagtgtg agtccaaaag 60
atttcg                                66

<210> 2329
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2329
cgaaatcttt tggactcaca ctgcggccgc tttgatttcc accttggtcc cttggcccaa 60
cgtccaaag                                68

<210> 2330
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2330
Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
1           5           10

<210> 2331
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2331
tacacttttg gccaggggac caagctggag atcaaa            36

<210> 2332
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

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<400> 2332
tttgatctcc agcttggtcc cctggccaaa agtgtaag 38

<210> 2333
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2333
Phe Thr Phe Gly Pro Gly Thr Lys Val Asp Ile Lys
1 5 10

<210> 2334
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2334
ttcactttcg gccctggac caaagtggat atcaaa 36

<210> 2335
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2335
tttgatatcc actttggtcc caggccgaa agtcaaag 38

<210> 2336
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2336
Leu Thr Phe Gly Gly Thr Lys Val Glu Ile Lys
1 5 10

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<210> 2337
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2337
ctcaacttcg gcggagggac caaggtggag atcaaa 36

<210> 2338
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2338
tttgatctcc accttggtcc ctccgccgaa agtgagag 38

<210> 2339
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
      peptide

<400> 2339
Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 1           5           10

<210> 2340
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<400> 2340
gttgtattcg gcggagggac caagctgacc gtccttagcgg ccgcagtgtg agtccaaaag 60
atttcg                                     66

<210> 2341
<211> 68
<212> DNA
<213> Artificial Sequence

<220>

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<223> Description of Artificial Sequence: synthetic DNA

<400> 2341

cgaaatcttt tggactcaca ctgcggccgc taggacggtc agcttggtcc ctccgcccga	60
taccacat	68

<210> 2342

<211> 767

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(759)

<400> 2342

gccccagccgg ccatggcc cag gtg cag ctg gtg gag tct ggg gga ggc ttg	51
Gln Val Gln Leu Val Glu Ser Gly Gly Gly Leu	
1 5 10	

gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc	99
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe	
15 20 25	

act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag	147
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys	
30 35 40	

ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca	195
Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr	
45 50 55	

aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat	243
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp	
60 65 70 75	

gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag	291
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu	
80 85 90	

gac aca gcc gtg tat tac tgt acc aca gtt gcg ttg tct gcc gac cgt	339
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Val Ala Leu Ser Ala Asp Arg	
95 100 105	

ggg atg tgg ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc	387
Gly Met Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly	
110 115 120	

ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gat gtt gtg atg	435
Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Asp Val Val Met	
125 130 135	

act cag tct cca ctc tcc ctg ccc gtc acc ctt gga cag ccg gcc tcc	483
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Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser			
140	145	150	155
atc tcc tgc agg tct agt caa agc ctc gta tac agt gat gga aac acc			531
Ile Ser Cys Arg Ser Ser Gln Ser Leu Val Tyr Ser Asp Gly Asn Thr			
160	165	170	
tac ttg aat tgg ttt cag cag agg cca ggc caa tct cca agg cgc cta			579
Tyr Leu Asn Trp Phe Gln Gln Arg Pro Gly Gln Ser Pro Arg Arg Leu			
175	180	185	
att tat aag gtt tct aac cgg gac tct ggg gtc cca gac aga ttc agc			627
Ile Tyr Lys Val Ser Asn Arg Asp Ser Gly Val Pro Asp Arg Phe Ser			
190	195	200	
ggc agt ggg tca ggc act gat ttc aca ctg aaa atc agc agg gtg gag			675
Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu			
205	210	215	
gct gag gat gtt ggg gtt tat tac tgc atg caa ggt aca cac tgg cct			723
Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Gly Thr His Trp Pro			
220	225	230	235
tac act ttt ggc cag ggg acc aag ctg gag atc aaa gcggccgc			767
Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys			
240	245		
<210> 2343			
<211> 247			
<212> PRT			
<213> Artificial Sequence			
<220>			
<223> Description of Artificial Sequence: synthetic peptide			
<400> 2343			
Gln Val Gln Leu Val Glu Ser Gly Gly Leu Val Lys Pro Gly Gly			
1	5	10	15
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala			
20	25	30	
Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val			
35	40	45	
Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala			
50	55	60	
Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr			
65	70	75	80
Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr			
85	90	95	
Tyr Cys Thr Thr Val Ala Leu Ser Ala Asp Arg Gly Met Trp Gly Gln			

707/813

100 105 110
Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly
115 120 125
Gly Ser Gly Gly Gly Ser Asp Val Val Met Thr Gln Ser Pro Leu
130 135 140
Ser Leu Pro Val Thr Leu Gly Gln Pro Ala Ser Ile Ser Cys Arg Ser
145 150 155 160
Ser Gln Ser Leu Val Tyr Ser Asp Gly Asn Thr Tyr Leu Asn Trp Phe
165 170 175
Gln Gln Arg Pro Gly Gln Ser Pro Arg Arg Leu Ile Tyr Lys Val Ser
180 185 190
Asn Arg Asp Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly
195 200 205
Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp Val Gly
210 215 220
Val Tyr Tyr Cys Met Gln Gly Thr His Trp Pro Tyr Thr Phe Gly Gln
225 230 235 240
Gly Thr Lys Leu Glu Ile Lys
245

<210> 2344
<211> 761
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic DNA

<220>
<221> CDS
<222> (19)..(753)

<400> 2344
gcccagccgg ccatggcc cag atg cag ctg gtg gag tct ggg gga ggc ttg 51
Gln Met Gln Leu Val Glu Ser Gly Gly Gly Leu
1 5 10
gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc 99
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
15 20 25
act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag 147
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys
30 35 40
ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca 195

Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr			
45	50	55	
aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat			243
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp			
60	65	70	75
gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag			291
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu			
80	85	90	
gac aca gcc gtg tat tac tgt acc aca tgg ggc tcc gtc gac acg gac			339
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Trp Gly Ser Val Asp Thr Asp			
95	100	105	
aac tac gcc agg ttt tgg ggt caa gga act ctg gtc acc gtc tcc tca			387
Asn Tyr Ala Arg Phe Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser			
110	115	120	
ggt gga ggc ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac			435
Gly Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Asp			
125	130	135	
atc cag atg acc cag tct cca tcc tcc ctg tct gca tct gta gga gac			483
Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp			
140	145	150	155
aga gtc acc atc act tgc cg ^g g ^c g ^t c ^g att agc aat tat tta			531
Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu			
160	165	170	
gcc tgg tat cag cag aaa cca ggg aaa gtt cct aag ctc ctg atc tat			579
Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr			
175	180	185	
gct gca tcc act ttg caa tca ggg gtc cca tct cgg ttc agt ggc agt			627
Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser			
190	195	200	
gga tct ggg aca gat ttc act ctc acc atc agc agc ctg cag cct gaa			675
Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu			
205	210	215	
gat gtt gca act tat tac tgt caa aag tat aac agt gcc cct ctc act			723
Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Leu Thr			
220	225	230	235
ttc ggc gga ggg acc aag gtg gag atc aaa gcggccgc			761
Phe Gly Gly Thr Lys Val Glu Ile Lys			
240	245		

<210> 2345
<211> 245
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2345

Gln	Met	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1															

5

10

15

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Ala

20

25

30

Trp	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val

35

40

45

Gly	Arg	Ile	Lys	Ser	Lys	Thr	Asp	Gly	Gly	Thr	Thr	Asp	Tyr	Ala	Ala

50

55

60

Pro	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Asn	Thr

65

70

75

80

Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Lys	Thr	Glu	Asp	Thr	Ala	Val	Tyr

85

90

95

Tyr	Cys	Thr	Thr	Trp	Gly	Ser	Val	Asp	Thr	Asp	Asn	Tyr	Ala	Arg	Phe

100

105

110

Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Ser	

115

120

125

Gly	Gly	Gly	Ser	Gly	Gly	Gly	Ser	Asp	Ile	Gln	Met	Thr	Gln		

130

135

140

Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr

145

150

155

160

Cys	Arg	Ala	Ser	Gln	Gly	Ile	Ser	Asn	Tyr	Leu	Ala	Trp	Tyr	Gln	Gln

165

170

175

Lys	Pro	Gly	Lys	Val	Pro	Lys	Leu	Leu	Ile	Tyr	Ala	Ala	Ser	Thr	Leu

180

185

190

Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp

195

200

205

Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Val	Ala	Thr	Tyr

210

215

220

Tyr	Cys	Gln	Lys	Tyr	Asn	Ser	Ala	Pro	Leu	Thr	Phe	Gly	Gly	Thr	

225

230

235

240

Lys	Val	Glu	Ile	Lys											

245

<210> 2346

<211> 752

<212> DNA
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(744)

<400> 2346

gcccagccgg ccatggcc cag atg cag ctg gtg gag tct ggg gga ggc ttg	51
Gln Met Gln Leu Val Glu Ser Gly Gly Leu	
1 5 10	

gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc	99
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe	
15 20 25	

act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag	147
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys	
30 35 40	

ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca	195
Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Thr	
45 50 55	

aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat	243
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp	
60 65 70 75	

gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag	291
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu	
80 85 90	

gac aca gcc gtg tat tac tgt acc aca ccg ggc tgg tat ggg gcc gag	339
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Pro Gly Trp Tyr Gly Ala Glu	
95 100 105	

gat aag tgg ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc	387
Asp Lys Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly	
110 115 120	

ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac atc cag atg	435
Gly Ser Gly Gly Ser Gly Gly Ser Asp Ile Gln Met	
125 130 135	

acc cag tct cca tcc tcc ctg tct gca tct gta gga gac aga gtc acc	483
Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr	
140 145 150 155	

atc act tgc cgg gcg agt cag ggc att agc aat tat tta gcc tgg tat	531
Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr	
160 165 170	

cag cag aaa cca ggg aaa gtt cct aag ctc ctg atc tat gct gca tcc	579
Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser	

175

180

185

act ttg caa tca ggg gtc cca tct cgg ttc agt ggc agt gga tct ggg 627
 Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly
 190 195 200

aca gat ttc act ctc acc atc agc agc ctg cag cct gaa gat gtt gca 675
 Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala
 205 210 215

act tat tac tgt caa aag tat aac agt gcc cct ttc act ttc ggc cct 723
 Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Phe Thr Phe Gly Pro
 220 225 230 235

ggg acc aaa gtg gat atc aaa gcggccgc 752
 Gly Thr Lys Val Asp Ile Lys
 240

<210> 2347

<211> 242

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2347

Gln	Met	Gln	Leu	Val	Glu	Ser	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1														

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Ala
20															30

Trp	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
35															45

Gly	Arg	Ile	Lys	Ser	Lys	Thr	Asp	Gly	Gly	Thr	Asp	Tyr	Ala	Ala	
50															60

Pro	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Asn	Thr
65															80

Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Lys	Thr	Glu	Asp	Thr	Ala	Val	Tyr
85															95

Tyr	Cys	Thr	Thr	Pro	Gly	Trp	Tyr	Gly	Ala	Glu	Asp	Lys	Trp	Gly	Gln
100															110

Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Ser	Gly	Gly	Gly	
115															125

Gly	Ser	Gly	Gly	Gly	Ser	Asp	Ile	Gln	Met	Thr	Gln	Ser	Pro	Ser	
130															140

Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr	Cys	Arg	Ala
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

145	150	155	160
Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly			
165		170	175
Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly			
180	185		190
Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu			
195	200		205
Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Gln			
210	215		220
Lys Tyr Asn Ser Ala Pro Phe Thr Phe Gly Pro Gly Thr Lys Val Asp			
225	230	235	240

Ile Lys

<210> 2348

<211> 743

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(735)

<400> 2348

gcccagccgg ccatggcc	cag gtg cag ctg gtg gag tct ggg gga ggc ttg	51
	Gln Val Gln Leu Val Glu Ser Gly Gly Leu	
1	5	10

gta cag cct ggg gga tcc ctg aga ctc tcc tgt gca gcc tct gga ttc	99	
Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe		
15	20	25

acc ttc agt aac agt gac atg aac tgg gtc cat cag gct cca gga aag	147	
Thr Phe Ser Asn Ser Asp Met Asn Trp Val His Gln Ala Pro Gly Lys		
30	35	40

ggg ctg gag tgg gta tcg ggt gtt agt tgg aat ggc agt agg acg cac	195	
Gly Leu Glu Trp Val Ser Gly Val Ser Trp Asn Gly Ser Arg Thr His		
45	50	55

tat gca gac tct gtg aag ggc cga ttc atc atc tcc aga gac aat tcc	243		
Tyr Ala Asp Ser Val Lys Gly Arg Phe Ile Ile Ser Arg Asp Asn Ser			
60	65	70	75

agg aac acc ctg tat ctg caa acg aat agc ctg agg gcc gag gac acg	291
Arg Asn Thr Leu Tyr Leu Gln Thr Asn Ser Leu Arg Ala Glu Asp Thr	

80	85	90	
gct gtg tat tac tgt gtg aga acc gat ggc gag tgg tac ggg gcc tgg Ala Val Tyr Tyr Cys Val Arg Thr Asp Gly Glu Trp Tyr Gly Ala Trp 95	100	105	339
ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc ggt tca ggc Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly 110	115	120	387
gga ggt ggc tct ggc ggt ggc gga tcc gcc atc cag atg acc cag tct Gly Gly Ser Gly Gly Ser Ala Ile Gln Met Thr Gln Ser 125	130	135	435
cca tcc tcc ctg tct gca tct gta gga gac aga gtc acc atc act tgc Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys 140	145	150	483
cgg gca agt cag ggc att aga aat gat tta ggc tgg tat cag cag aaa Arg Ala Ser Gln Gly Ile Arg Asn Asp Leu Gly Trp Tyr Gln Gln Lys 160	165	170	531
cca ggg aaa gcc cct aag ctc cggt atc tat gct gca tcc agt tta caa Pro Gly Lys Ala Pro Lys Leu Arg Ile Tyr Ala Ala Ser Ser Leu Gln 175	180	185	579
agt ggg gtc cca tca agg ttc agc ggc agt gga tct ggc aca gat ttc Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Thr Asp Phe 190	195	200	627
act ctc acc atc agc agc ctg cag cct gaa gat ttt gca act tat tac Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr 205	210	215	675
tgt cta caa gat tac aat tac cct ctc act ttc ggc gga ggg acc aag Cys Leu Gln Asp Tyr Asn Tyr Pro Leu Thr Phe Gly Gly Thr Lys 220	225	230	723
gtg gag atc aaa gcggccgc Val Glu Ile Lys			743
<210> 2349			
<211> 239			
<212> PRT			
<213> Artificial Sequence			
<220>			
<223> Description of Artificial Sequence: synthetic peptide			
<400> 2349			
Gln Val Gln Leu Val Glu Ser Gly Gly Leu Val Gln Pro Gly Gly 1 5 10 15			
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ser 20 25 30			

Asp Met Asn Trp Val His Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

 Ser Gly Val Ser Trp Asn Gly Ser Arg Thr His Tyr Ala Asp Ser Val
 50 55 60

 Lys Gly Arg Phe Ile Ile Ser Arg Asp Asn Ser Arg Asn Thr Leu Tyr
 65 70 75 80

 Leu Gln Thr Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

 Val Arg Thr Asp Gly Glu Trp Tyr Gly Ala Trp Gly Gln Gly Thr Leu
 100 105 110

 Val Thr Val Ser Ser Gly Gly Ser Gly Gly Ser Gly
 115 120 125

 Gly Gly Gly Ser Ala Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser
 130 135 140

 Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly
 145 150 155 160

 Ile Arg Asn Asp Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro
 165 170 175

 Lys Leu Arg Ile Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser
 180 185 190

 Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser
 195 200 205

 Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln Asp Tyr
 210 215 220

 Asn Tyr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
 225 230 235

<210> 2350
 <211> 752
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>
 <221> CDS
 <222> (19)..(744)

<400> 2350
 gcccagccgg ccatggcc cag atg cag ctg gtg cag tct ggg gga ggc ttg 51
 Gln Met Gln Leu Val Gln Ser Gly Gly Leu

1	5	10	
gta cag cct ggg ggg tcc ctg aga ctc tcc tgt gca ggc tct gga ttc Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe	15 20	25	99
acc ttc agt agc tat gct atg cac tgg gtt cgc cag gct cca gga aaa Thr Phe Ser Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys	30 35	40	147
ggt ctg gag tgg gta tca gct att ggt act ggt ggt ggc aca tac tat Gly Leu Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr	45 50	55	195
gca gac tcc gtg aag ggc cga ttc acc atc tcc aga gac aat gcc aag Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys	60 65	70	243
aac tcc ttg tat ctt caa atg aac agc ctg aga gcc gag gac atg gct Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala	80 85	90	291
gtg tat tac tgt gca aga tgg ggg cac gtc ggc ttg tgg gtt gcg gac Val Tyr Tyr Cys Ala Arg Trp Gly His Val Gly Leu Trp Val Ala Asp	95 100	105	339
gtc tat tgg ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc Val Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly	110 115	120	387
ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac atc cag atg Gly Ser Gly Gly Ser Gly Gly Ser Asp Ile Gln Met	125 130	135	435
acc cag tct cca tcc tcc ctg tct gca tct gta gga gac aga gtc acc Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr	140 145	150	483
atc act tgc cgg gcg agt cag ggc att agc aat tat tta gcc tgg tat Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr	160 165	170	531
cag cag aaa cca ggg aaa gtt cct aag ctc ctg atc tat gct gca tcc Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser	175 180	185	579
act ttg caa tca ggg gtc cca tct cgg ttc agt ggc agt gga tct ggg Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly	190 195	200	627
aca gat ttc act ctc acc atc agc agc ctg cag cct gaa gat gtt gca Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala	205 210	215	675
act tat tac tgt caa aag tat aac agt gcc cct tac act ttt ggc cag Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Tyr Thr Phe Gly Gln	220 225	230	723
			235

ggg acc aag ctg gag atc aaa gcggccgc 752
Gly Thr Lys Leu Glu Ile Lys
240

<210> 2351

<211> 242

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2351

Gln Met Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser Ser Tyr
20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala Asp Ser Val Lys
50 55 60

Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala Val Tyr Tyr Cys Ala
85 90 95

Arg Trp Gly His Val Gly Leu Trp Val Ala Asp Val Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly
115 120 125

Gly Ser Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser
130 135 140

Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala
145 150 155 160

Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly
165 170 175

Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly
180 185 190

Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu
195 200 205

Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Gln
210 215 220

Lys Tyr Asn Ser Ala Pro Tyr Thr Phe Gly Gln Gly Thr Lys Leu Glu
 225 230 235 240

Ile Lys

<210> 2352

<211> 743

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19)..(735)

<400> 2352

gccccagccgg ccatggcc cag atg cag ctg gtg cag tct ggg gga ggc ttg	51
Gln Met Gln Leu Val Gln Ser Gly Gly Gly Leu	
1 5 10	

gta cag cct ggg ggg tcc ctg aga ctc tcc tgt gca ggc tct gga ttc	99
Val Gln Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe	
15 20 25	

acc ttc agt agc tat gct atg cac tgg gtt cgc cag gct cca gga aaa	147
Thr Phe Ser Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys	
30 35 40	

ggt ctg gag tgg gta tca gct att ggt act ggt ggt ggc aca tac tat	195
Gly Leu Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr	
45 50 55	

gca gac tcc gtg aag ggc cga ttc acc atc tcc aga gac aat gcc aag	243
Ala Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys	
60 65 70 75	

aac tcc ttg tat ctt caa atg aac agc ctg aga gcc gag gac atg gct	291
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala	
80 85 90	

gtg tat tac tgt gca aga gag ggc gag ctc ggg gtg acc tcc ttc tgg	339
Val Tyr Tyr Cys Ala Arg Glu Gly Glu Leu Gly Val Thr Ser Phe Trp	
95 100 105	

ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc ggt tca ggc	387
Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Ser Gly	
110 115 120	

gga ggt ggc tct ggc ggt ggc gga tcc gac atc cag atg acc cag tct	435
Gly Gly Ser Gly Gly Ser Asp Ile Gln Met Thr Gln Ser	
125 130 135	

cca tcc tcc ctg tct gca tct gta gga gac aga gtc acc atc act tgc Pro Ser Ser Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys 140 145 150 155	483
cg ^g gc ^g agt cag gg ^c att agc aat tat tt ^a g ^c c tgg tat cag cag aaa Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln Lys 160 165 170	531
cca ggg aaa gtt cct aag ctc ctg atc tat gct gca tcc act ttg caa Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln 175 180 185	579
tca ggg gtc cca tct cg ^g ttc agt gg ^c agt gga tct ggg aca gat tt ^c Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe 190 195 200	627
act ctc acc atc agc agc ctg cag cct gaa gat gtt gca act tat tac Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr 205 210 215	675
tgt caa aag tat aac agt g ^c c c ^t t g ^t g ac ^g tt ^c gg ^c caa ggg acc aag Cys Gln Lys Tyr Asn Ser Ala Pro Trp Thr Phe Gly Gln Gly Thr Lys 220 225 230 235	723
gtg gaa atc aaa gcggccgc Val Glu Ile Lys	743

<210> 2353

<211> 239

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2353

Gln Met Gln Leu Val Gln Ser Gly Gly Gly Leu Val Gln Pro Gly Gly 1 5 10 15
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Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser Ser Tyr 20 25 30

Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val 35 40 45

Ser Ala Ile Gly Thr Gly Gly Thr Tyr Tyr Ala Asp Ser Val Lys 50 55 60

Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr Leu 65 70 75 80
--

Gln Met Asn Ser Leu Arg Ala Glu Asp Met Ala Val Tyr Tyr Cys Ala 85 90 95

Arg Glu Gly Glu Leu Gly Val Thr Ser Phe Trp Gly Gln Gly Thr Leu

100	105	110
Val Thr Val Ser Ser Gly Gly Gly	Gly Ser Gly Gly Gly Ser Gly	
115	120	125
Gly Gly Gly Ser Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser		
130	135	140
Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly		
145	150	155
Ile Ser Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro		
165	170	175
Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser		
180	185	190
Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser		
195	200	205
Ser Leu Gln Pro Glu Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn		
210	215	220
Ser Ala Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys		
225	230	235

<210> 2354
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2354
Ile Gly Gly Gln Gly Gln His Gln Asp Gly Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Glu Ala Leu Ala
20

<210> 2355
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2355
Val Phe Trp Asn Cys Arg Ser Gln Gln Leu Asp Phe Tyr Glu Trp Phe
1 5 10 15

Glu Gln Ala Ala
20

<210> 2356
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2356
Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
1 5 10 15

His Gly Ala Gly
20

<210> 2357
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2357
Arg Val Ala Gly Ala Ile Ser Ala Pro Gly Leu Val Ser Asn Lys Gln
1 5 10 15

Asp Gly Leu Phe Tyr Ser Trp Phe Arg Glu
20 25

<210> 2358
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2358
Val Leu Gln Ala Arg His Gly Cys Asp Ser Val Ser Asp Cys Phe Tyr
1 5 10 15

Glu Trp Phe Ala
20

<210> 2359

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2359

Asp Pro Glu Arg Met Gln Ser Asp Val Gly Phe Tyr Glu Trp Phe Arg
1 5 10 15

Ala Ala Val Gly

20

<210> 2360

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2360

Trp Ser Ala Leu Leu Ser Val Met Asp Thr Gly Phe Tyr Ala Trp Phe
1 5 10 15

Asp Asp Ala Val

20

<210> 2361

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2361

Asp Ile Gly Ser Asp Gly His Gly Arg Arg Trp Asp Ser Phe Tyr Arg
1 5 10 15

Trp Phe Glu Met

20

<210> 2362

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2362
Ile Gly Gly Ser Phe Val Glu Phe Tyr Gly Trp Phe Asn Asp Gln Val
1 5 10 15

<210> 2363
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2363
Gly His Ser Trp Ala Leu Val Arg His Val Asp Arg Leu Phe Tyr Glu
1 5 10 15

Trp Phe Asp Leu
20

<210> 2364
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2364
Leu Pro Ala Gly Gly Ala Gln Gly Phe Ala Val Arg Gly Phe Tyr Glu
1 5 10 15

Trp Phe Glu Ser
20

<210> 2365
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2365
Arg Asp Lys Pro Thr Asp Gln Glu Glu Gln Asn Trp Ser Phe Tyr Glu
1 5 10 15

Trp Phe Arg His
20

<210> 2366

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2366

Ser Arg Asp Gln Thr Asn Phe Thr Phe Asn Ser Ala Gly Phe Tyr Gly
1 5 10 15

Trp Phe Glu Arg

20

<210> 2367

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2367

Gly Ala Phe Tyr Arg Trp Phe His Glu Ala Leu Val Gly Ser Glu Arg
1 5 10 15

Val Pro Asp Val

20

<210> 2368

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2368

Arg Ile Gly Gly Gly Trp Ala Arg Ser Glu Gly Phe Tyr Glu Trp Phe
1 5 10 15

Val Arg Glu Leu

20

<210> 2369

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2369

Arg Met Phe Tyr Glu Trp Phe Trp Ser Gln Met Gly Ala Gly Pro Thr
1 5 10 15

Glu Gly Ser Ala

20

<210> 2370

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2370

His Glu Ala Phe Tyr Asp Trp Phe Ser Ala Leu Val Asp Gly Gly Tyr
1 5 10 15

Glu Leu Met Gly

20

<210> 2371

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2371

Phe Tyr Gly Trp Phe Ser Arg Gln Leu Ser Leu Thr Pro Arg Asp Asp
1 5 10 15

Trp Gly Leu Pro

20

<210> 2372

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2372

Gly Val Gly Thr Leu Thr Met Ser Ser Asp Ala Phe Tyr Thr Trp Phe

1

5

10

15

Val

<210> 2373
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2373
Leu Gly Thr Ser Ala Gly Gln Gly Val Gly His Arg Ala Phe Tyr Gln
1 5 10 15

Trp Phe Gln Ser
20

<210> 2374
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2374
Glu Thr Leu Glu Ser His Tyr Val Val Pro Gln Ala Ala Leu Asp Arg
1 5 10 15

Leu Phe Tyr Ser Trp Phe Ser
20

<210> 2375
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2375
Ile Arg Asp Met His Tyr Val Trp Val Gln Asp Arg Asp Arg Tyr Ile
1 5 10 15

Asn Gly Val Arg Gln Trp Tyr Ile Ser Asp Arg Tyr Asn Pro Gly Ser
20 25 30

Ala Phe Tyr Arg Trp Phe Ile Asp

35

40

<210> 2376
<211> 40
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2376
Arg Met Gly Leu Gln Ala Leu Ala His Tyr Arg Lys Ser Ala Gly Pro
1 5 10 15

Ile Phe Leu Ser Ser Gly Ser Val Ile Lys Gly Ser Glu Gly Asp Pro
20 25 30

Phe Tyr Ala Trp Phe Arg Leu Gln
35 40

<210> 2377
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2377
Glu Ile Glu Ala Glu Trp Gly Arg Val Arg Cys Leu Val Tyr Gly Arg
1 5 10 15

Cys Val Gly Gly
20

<210> 2378
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2378
Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Gly Cys Pro Ser
20

<210> 2379
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2379
Asp Tyr Lys Asp Phe Tyr Asp Ala Ile Asp Gln Leu Val Arg Gly Ser
1 5 10 15
Ala Arg Ala Gly Gly Thr Arg Asp
20

<210> 2380
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2380
Asp Tyr Lys Asp Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val
1 5 10 15
Gly Ala Val Tyr Gly Ala Trp Asp
20

<210> 2381
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2381
Asp Tyr Lys Asp Arg Leu Phe Tyr Cys Gly Ile Gln Ala Leu Gly Ala
1 5 10 15
Asn Leu Gly Tyr Ser Gly Cys Val
20

<210> 2382
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2382

Asp Tyr Lys Asp Phe Tyr Ser Ala Leu Trp Gly Leu Cys Gly Val Thr
1 5 10 15

Gly Cys Gly

<210> 2383

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2383

Arg Gly Gln Ser Asp Ala Phe Tyr Ser Gly Leu Trp Ala Leu Ile Gly
1 5 10 15

Leu Ser Asp Gly

20

<210> 2384

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2384

Pro Phe Gly Phe Gly Gly Arg Trp Trp Gly Ile Pro Arg Met Trp Trp
1 5 10 15

Tyr Arg Asn Ser

20

<210> 2385

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2385

Trp Trp Trp Gly Gly Arg Asn Arg Trp Trp Leu Glu Arg Trp Gly Leu
1 5 10 15

Gly Gly Glu Arg
20

<210> 2386
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2386
Leu Gly Pro Leu Leu Arg Trp Gly Ser Glu Val Cys Gly Val Trp Pro
1 5 10 15

Asp Leu Cys Glu
20

<210> 2387
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2387
Ser Met Phe Val Ala Gly Ser Asp Arg Trp Pro Gly Tyr Gly Val Leu
1 5 10 15

Ala Asp Trp Leu
20

<210> 2388
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2388
Val Arg Gly Phe Gln Gly Gly Thr Val Trp Pro Gly Tyr Glu Trp Leu
1 5 10 15

Arg Asn Ala Ala
20

<210> 2389

<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2389
Gly Arg Val Ala Leu Trp Gly Pro Val Trp Pro Arg Trp Trp Phe Met
1 5 10 15

Ser Arg Pro Val
20

<210> 2390
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2390
Trp Pro Gly Tyr Leu Phe Phe Glu Glu Ala Leu Gln Asp Trp Arg Gly
1 5 10 15

Ser Thr Glu Asp
20

<210> 2391
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2391
His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 2392
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic

peptide

<400> 2392
 Ala Cys Ser Ser Phe Phe Val Lys Gly Pro Glu Gly Phe Leu Gln Cys
 1 5 10 15

Leu Gly Ser Ile
 20

<210> 2393
 <211> 36
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2393
 Pro Glu Arg Gly Arg Gly Leu Arg Thr Ala Met Gln Leu Met Arg Arg
 1 5 10 15

Pro Arg Asp Trp His Phe Pro His Ser Leu Phe Trp Gly Ala Pro Pro
 20 25 30

Pro Leu Ser Gly
 35

<210> 2394
 <211> 761
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>
 <221> CDS
 <222> (19)..(753)

<400> 2394
 gcccagccgg ccatggcc gag gtg cag ctg gtg gag tct ggg gga ggc ttg 51
 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu
 1 5 10

gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc 99
 Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe
 15 20 25

act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag 147
 Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys
 30 35 40

ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca 195
 Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr

45	50	55	
aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp	60	65	243
		70	75
gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu	80	85	291
		90	
gac aca gcc gtg tat tac tgt acc aca tac ggc gac gtt tac gac cgc Asp Thr Ala Val Tyr Tyr Cys Thr Thr Tyr Gly Asp Val Tyr Asp Arg	95	100	339
		105	
gat tac gat ggg cgc tgg ggt caa gga act ctg gtc acc gtc tcc tca Asp Tyr Asp Gly Arg Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser	110	115	387
		120	
ggt gga ggc ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac Gly Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Asp	125	130	435
		135	
atc cag atg acc cag tct cca tcc tcc ctg tct gca tct gta gga gac Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly Asp	140	145	483
		150	155
aga gtc acc atc act tgc cgg gcg agt cag ggc att agc aat tat tta Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Asn Tyr Leu	160	165	531
		170	
gcc tgg tat cag cag aaa cca ggg aaa gtt cct aag ctc ctg atc tat Ala Trp Tyr Gln Gln Lys Pro Gly Lys Val Pro Lys Leu Leu Ile Tyr	175	180	579
		185	
gct gca tcc act ttg caa tca ggg gtc cca tct cgg ttc agt ggc agt Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser	190	195	627
		200	
gga tct ggg aca gat ttc act ctc acc atc agc agc ctg cag cct gaa Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu	205	210	675
		215	
gat gtt gca act tat tac tgt caa aag tat aac agt gcc cct ttc act Asp Val Ala Thr Tyr Tyr Cys Gln Lys Tyr Asn Ser Ala Pro Phe Thr	220	225	723
		230	235
ttc ggc cct ggg acc aaa gtg gat atc aaa acggccgc Phe Gly Pro Gly Thr Lys Val Asp Ile Lys	240	245	761

<210> 2395

<211> 245

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2395

Glu	Val	Gln	Leu	Val	Glu	Ser	Gly	Gly	Gly	Leu	Val	Lys	Pro	Gly	Gly
1					5				10			15			

Ser	Leu	Arg	Leu	Ser	Cys	Ala	Ala	Ser	Gly	Phe	Thr	Phe	Ser	Asn	Ala
								20		25			30		

Trp	Met	Ser	Trp	Val	Arg	Gln	Ala	Pro	Gly	Lys	Gly	Leu	Glu	Trp	Val
					35			40			45				

Gly	Arg	Ile	Lys	Ser	Lys	Thr	Asp	Gly	Gly	Thr	Asp	Tyr	Ala	Ala
					50		55			60				

Pro	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Asn	Thr
					65		70		75			80			

Leu	Tyr	Leu	Gln	Met	Asn	Ser	Leu	Lys	Thr	Glu	Asp	Thr	Ala	Val	Tyr
					85			90			95				

Tyr	Cys	Thr	Thr	Tyr	Gly	Asp	Val	Tyr	Asp	Arg	Asp	Tyr	Asp	Gly	Arg
					100			105			110				

Trp	Gly	Gln	Gly	Thr	Leu	Val	Thr	Val	Ser	Ser	Gly	Gly	Gly	Ser	
					115			120			125				

Gly	Gly	Gly	Ser	Gly	Gly	Gly	Ser	Asp	Ile	Gln	Met	Thr	Gln	
					130		135			140				

Ser	Pro	Ser	Ser	Leu	Ser	Ala	Ser	Val	Gly	Asp	Arg	Val	Thr	Ile	Thr
					145			150		155		160			

Cys	Arg	Ala	Ser	Gln	Gly	Ile	Ser	Asn	Tyr	Leu	Ala	Trp	Tyr	Gln	Gln
					165			170			175				

Lys	Pro	Gly	Lys	Val	Pro	Lys	Leu	Leu	Ile	Tyr	Ala	Ala	Ser	Thr	Leu
					180			185			190				

Gln	Ser	Gly	Val	Pro	Ser	Arg	Phe	Ser	Gly	Ser	Gly	Thr	Asp	
					195			200			205			

Phe	Thr	Leu	Thr	Ile	Ser	Ser	Leu	Gln	Pro	Glu	Asp	Val	Ala	Thr	Tyr
					210			215			220				

Tyr	Cys	Gln	Lys	Tyr	Asn	Ser	Ala	Pro	Phe	Thr	Phe	Gly	Pro	Gly	Thr
					225			230		235		240			

Lys	Val	Asp	Ile	Lys
			245	

<210> 2396

<211> 758

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<220>

<221> CDS

<222> (19..324, 328..744)

<400> 2396

gccccatccgg ccatggcc gag gtg cag ctg ttg gag tct ggg gga ggc ttg	51
Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu	
1 5 10	

gta aag cct ggg ggg tcc ctt aga ctc tcc tgt gca gcc tct gga ttc	99
Val Lys Pro Gly Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe	
15 20 25	

act ttc agt aac gcc tgg atg agc tgg gtc cgc cag gct cca ggg aag	147
Thr Phe Ser Asn Ala Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys	
30 35 40	

ggg ctg gag tgg gtt ggc cgt att aaa agc aaa act gat ggt ggg aca	195
Gly Leu Glu Trp Val Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr	
45 50 55	

aca gac tac gct gca ccc gtg aaa ggc aga ttc acc atc tca aga gat	243
Thr Asp Tyr Ala Ala Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp	
60 65 70 75	

gat tca aaa aac acg ctg tat ctg caa atg aac agc ctg aaa acc gag	291
Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu	
80 85 90	

gac aca gcc gtg tat tac tgt acc aca tac gat tag tgg ggg gtc ttg	339
Asp Thr Ala Val Tyr Tyr Cys Thr Thr Tyr Asp Trp Gly Val Leu	
95 100 105	

gtg gtc tgg ggt caa gga act ctg gtc acc gtc tcc tca ggt gga ggc	387
Val Val Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Gly Gly	
110 115 120	

ggt tca ggc gga ggt ggc tct ggc ggt ggc gga tcc gac atc cag ttg	435
Gly Ser Gly Gly Ser Gly Gly Ser Gly Ser Asp Ile Gln Leu	
125 130 135	

acc cag tct cca tcc ttc ctg tct gca tct gta gga gac aga gtc acc	483
Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly Asp Arg Val Thr	
140 145 150	

atc act tgc cgg gcc agt cag ggc att agc agt tat tta gcc tgg tat	531
Ile Thr Cys Arg Ala Ser Gln Gly Ile Ser Ser Tyr Leu Ala Trp Tyr	
155 160 165 170	

cag caa aaa cca ggg aaa gcc cct aag ctc ctg atc tat gct gca tcc	579
Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser	
175 180 185	

act ttg caa agt ggg gtc cca tca agg ttc agc ggc agt gga tct ggg	627
Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly Ser Gly Ser Gly	
190 195 200	
aca gat ttc act ctc acc atc agc agc ctg cag cct gaa gat ttt gca	675
Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala	
205 210 215	
act tat tac tgt caa cag ctt aat agt tac cct ttc act ttc ggc cct	723
Thr Tyr Tyr Cys Gln Gln Leu Asn Ser Tyr Pro Phe Thr Phe Gly Pro	
220 225 230	
ggg acc aaa gtg gat atc aaa gcggccgcag gtgc	758
Gly Thr Lys Val Asp Ile Lys	
235 240	
<210> 2397	
<211> 241	
<212> PRT	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: synthetic peptide	
<400> 2397	
Glu Val Gln Leu Leu Glu Ser Gly Gly Leu Val Lys Pro Gly Gly	
1 5 10 15	
Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala	
20 25 30	
Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val	
35 40 45	
Gly Arg Ile Lys Ser Lys Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala	
50 55 60	
Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr	
65 70 75 80	
Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr	
85 90 95	
Tyr Cys Thr Thr Tyr Asp Trp Gly Val Leu Val Val Trp Gly Gln Gly	
100 105 110	
Thr Leu Val Thr Val Ser Ser Gly Gly Gly Ser Gly Gly Gly Gly	
115 120 125	
Ser Gly Gly Gly Ser Asp Ile Gln Leu Thr Gln Ser Pro Ser Phe	
130 135 140	
Leu Ser Ala Ser Val Gly Asp Arg Val Thr Ile Thr Cys Arg Ala Ser	
145 150 155 160	

Gln Gly Ile Ser Ser Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Lys
 165 170 175

Ala Pro Lys Leu Leu Ile Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val
 180 185 190

Pro Ser Arg Phe Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
 195 200 205

Ile Ser Ser Leu Gln Pro Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln
 210 215 220

Leu Asn Ser Tyr Pro Phe Thr Phe Gly Pro Gly Thr Lys Val Asp Ile
 225 230 235 240

Lys

<210> 2398

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2398

Pro Phe Phe Val Phe Tyr Arg Gly Gln Asp Thr
 1 5 10

<210> 2399

<211> 30

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2399

Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
 1 5 10 15

Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
 20 25 30

<210> 2400

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2400
Cys Val Val Tyr Asn Tyr Ala Gly Arg Gly Thr
1 5 10

<210> 2401
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2401
Val Gln Ala Trp Asp Gly Leu Gly Arg Glu Ser
1 5 10

<210> 2402
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2402
Gly Gly Leu Gly Arg Arg Asp Trp Leu
1 5

<210> 2403
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2403
Gly Gly Arg Arg His Arg Leu Gly
1 5

<210> 2404
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2404
Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
1 5 10 15

Glu Asn Tyr Cys Asn
20

<210> 2405
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2405
Glu Asn Tyr Gly Asn Ser Glu
1 5

<210> 2406
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2406
Gly Asp Gln Glu Leu Gln Asn Tyr
1 5

<210> 2407
<211> 19
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2407
Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys

<210> 2408
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2408
Asp Tyr Lys Asp
1

<210> 2409
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2409
Ala Ala Ala Gly Ala Pro
1 5

<210> 2410
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2410
Asp Tyr Lys Asp Asp Asp Asp Lys
1 5

<210> 2411
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2411
Phe Tyr Asp Trp Phe
1 5

<210> 2412
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2412
Phe Tyr Glu Trp Phe
1 5

<210> 2413
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2413
Asp Tyr Lys Asp Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu
1 5 10 15

Ala Gly Leu Cys Pro Lys Lys
20

<210> 2414
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2414
Trp Xaa Gly Tyr Xaa Trp Xaa Xaa
1 5

<210> 2415
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2415
Phe Tyr Xaa Trp Phe

1

5

<210> 2416
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2416
Phe Tyr Xaa Xaa Leu Xaa Xaa Leu
1 5

<210> 2417
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2417
Phe Tyr Xaa Xaa Ile Xaa Xaa Leu
1 5

<210> 2418
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2418
Phe Tyr Xaa Ala Ile Xaa Xaa Leu
1 5

<210> 2419
<211> 8
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2419

Phe Tyr Xaa Tyr Phe Xaa Xaa Leu
1 5

<210> 2420

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2420

Xaa Xaa Xaa Xaa Phe Tyr Xaa Tyr Phe Xaa Xaa Leu Xaa Xaa Xaa
1 5 10 15

<210> 2421

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2421

Xaa Leu Cys Xaa Xaa Glu Xaa Xaa Xaa Trp Gly Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Cys Xaa Xaa

20

<210> 2422

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2422

Xaa Xaa Xaa Xaa Leu Cys Glu Xaa Phe Gly Gly Xaa Xaa Xaa Xaa Gly
1 5 10 15

Xaa Cys Xaa Xaa

20

<210> 2423

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2423

Xaa Leu Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Cys Xaa Xaa

20

<210> 2424

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2424

His Pro Pro Leu Ser Xaa Leu Xaa Xaa Xaa Leu Leu
1 5 10

<210> 2425

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2425

Trp Pro Thr Tyr Trp
1 5

<210> 2426

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2426

Trp Xaa Gly Tyr Xaa Trp Xaa Xaa
1 5

<210> 2427

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2427

Trp Pro Gly Tyr
1

<210> 2428

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2428

Ser Phe His Glu Asp Phe Tyr Asp Trp Phe Asp Arg Gln Val Ser Gly
1 5 10 15

Ser Leu Lys Lys
20

<210> 2429

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2429

Thr Asp Asp Gly Phe Tyr Asp Ala Leu Glu Gln Leu Val Gln Gly Ser
1 5 10 15

Lys Lys

<210> 2430

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2430

Val Thr Phe Thr Ser Ala Val Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ser Lys Lys

20

<210> 2431

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2431

Ala Leu Glu Glu Glu Trp Ala Trp Val Gln Val Arg Ser Ile Arg Ser
1 5 10 15

Gly Leu Pro Leu

20

<210> 2432

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2432
 Pro Leu Trp Gly Leu Cys Glu Leu Phe Gly Gly Ala Ser Leu Phe Gly
 1 5 10 15
 Tyr Cys Ser Ser
 20

<210> 2433
 <211> 120
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic DNA

<220>
 <223> "n" bases represent a, t, c, g, other or unknown

<400> 2433
 nnknnknnkn nknknknnkn knnknnknnk nnknnknnkn nknnknnknn knnknnknnk 60
 nnknnknnkn nknknknnkn knnknnknnk nnknnknnkn nknnknnknn knnknnknnk 120

<210> 2434
 <211> 10
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <223> Xaa represents a variable amino acid

<400> 2434
 Asp Xaa Phe Tyr Xaa Xaa Leu Ser Xaa Leu
 1 5 10

<210> 2435
 <211> 7
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<400> 2435
 Asn Phe Tyr Asp Trp Phe Val
 1 5

<210> 2436

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2436

Leu Cys Gln Arg Leu Gly Val Gly Trp Pro Gly Trp Leu Ser Gly Trp
1 5 10 15

Cys Ala

<210> 2437

<211> 79

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic DNA

<400> 2437

ctacaaagac ctgtgttaga gtttgggggt tacgtatccg gtttgggtgg cgggggtggtg 60
tgcggcggcc gcagtgtga 79

<210> 2438

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2438

Asp Pro Phe Tyr His Lys Leu Ser Glu Leu
1 5 10

<210> 2439

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable amino acid

<400> 2439

Xaa Phe Tyr Asp Xaa Phe
1 5

<210> 2440
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2440
Xaa Tyr Lys Asp Gly Xaa Arg Xaa Gly Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Ala Xaa Val Thr
20

<210> 2441
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2441
Leu Xaa Xaa Leu Xaa Xaa Tyr Phe
1 5

<210> 2442
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<223> Xaa represents a variable amino acid

<400> 2442
Trp Pro Xaa Tyr Xaa Trp Leu
1 5

<210> 2443

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2443

Trp Asn Thr Val Asp Pro Phe Tyr His Lys Leu Ser Glu Leu Leu Arg
1 5 10 15

Glu Lys Lys

<210> 2444

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2444

Leu Cys Gln Arg Leu Gly Val Gly Trp Pro Gly Trp Leu Ser Gly Trp
1 5 10 15

Cys Ala

<210> 2445

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2445

Leu Cys Gln Ser Trp Gly Val Arg Ile Gly Trp Leu Thr Gly Leu Cys
1 5 10 15

Pro

<210> 2446

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2446

Lys Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
1 5 10 15

Lys

<210> 2447

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2447

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ala Lys Lys
1 5 10 15

<210> 2448

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2448

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Ala Ser Lys Lys
1 5 10 15

<210> 2449

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2449

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Ala Val Ser Lys Lys
1 5 10 15

<210> 2450

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2450

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Ala Gln Val Ser Lys Lys
1 5 10 15

<210> 2451

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2451

Phe His Glu Asn Phe Tyr Asp Trp Phe Ala Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2452

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2452

Phe His Glu Ala Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2453

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2453

Phe His Ala Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2454

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2454

Phe Ala Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2455

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2455

Ala His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2456

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2456

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2457

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2457

Glu Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Glu
1 5 10 15

Glu

<210> 2458

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2458

Phe His Glu Asn Phe Tyr Gly Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2459

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2459

His Glu Thr Phe Tyr Ser Met Ile Arg Ser Leu Ala Lys
1 5 10

<210> 2460

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2460

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
1 5 10

<210> 2461

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2461

Ser Leu Asn Phe Tyr Asp Ala Leu Gln Leu Leu Ala Lys Lys
1 5 10

<210> 2462

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2462

His Asp Pro Phe Tyr Ser Met Met Lys Ser Leu Leu Lys
1 5 10

<210> 2463

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2463

Asn Ser Phe Tyr Glu Ala Leu Arg Met Leu Ser Ser Lys
1 5 10

<210> 2464

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2464

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Lys
1 5 10

<210> 2465

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2465

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Lys
1 5 10

<210> 2466

<211> 14

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2466
His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile Lys Lys
1 5 10

<210> 2467
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2467
His Ala Pro Leu Ser Val Leu Val Gln Ala Leu Leu Lys Lys
1 5 10

<210> 2468
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2468
His Pro Ser Leu Ser Asp Met Arg Trp Ile Leu Leu Lys
1 5 10

<210> 2469
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2469
Trp Ser Asp Phe Tyr Ser Tyr Phe Gln Gly Leu Asp
1 5 10

<210> 2470
<211> 33
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (17)
<223> Dap

<400> 2470
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
20 25 30

Lys

<210> 2471
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2471
Ser Ser Asn Phe Tyr Gln Ala Leu Met Leu Leu Ser
1 5 10

<210> 2472
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (17)
<223> Dap

<400> 2472
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Xaa

<210> 2473
<211> 15
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2473

His	Glu	Asn	Phe	Tyr	Gly	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1													15	
			5					10						

<210> 2474

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2474

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1													15		
				5				10							

Lys	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys
													30		
				20				25							

Lys

<210> 2475

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Beta Alanine

<400> 2475

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys
1													15		
					5			10							

Xaa	Lys	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser
													30		
					20			25							

Lys Lys

<210> 2476

<211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <221> MOD_RES
 <222> (17)
 <223> Beta Alanine

<220>
 <221> MOD_RES
 <222> (18)
 <223> Dap

<220>
 <221> MOD_RES
 <222> (19)
 <223> Beta Alanine

<400> 2476
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 20 25 30

Ser Lys Lys
 35

<210> 2477
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2477
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Gly Lys Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 20 25 30

Ser Lys Lys
 35

<210> 2478
 <211> 35
 <212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Beta Alanine

<220>

<221> MOD_RES

<222> (19)

<223> Beta Alanine

<400> 2478

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Lys Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
 20 25 30

Ser Lys Lys
 35

<210> 2479

<211> 33

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Dap

<400> 2479

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
 20 25 30

Lys

<210> 2480

<211> 33

<212> PRT

<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (17)
 <223> Orn

<400> 2480
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
 20 25 30

Lys

<210> 2481
 <211> 34
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (17)
 <223> Dap

<220>
 <221> MOD_RES
 <222> (18)
 <223> Beta Alanine

<400> 2481
 Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
 1 5 10 15

Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
 20 25 30

Lys Lys

<210> 2482
 <211> 35
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic

peptide

<220>
<221> MOD_RES
<222> (17)
<223> Beta Alanine

<220>
<221> MOD_RES
<222> (18)
<223> Orn

<220>
<221> MOD_RES
<222> (19)
<223> Beta Alanine

<400> 2482
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Xaa Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
20 25 30

Ser Lys Lys
35

<210> 2483
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<220>
<221> MOD_RES
<222> (1)
<223> Thia

<220>
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<222> (2)
<223> Beta Alanine

<220>
<221> MOD_RES
<222> (19)
<223> Thia

<220>
<221> MOD_RES
<222> (20)
<223> Beta Alanine

<400> 2483

Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
1 5 10 15

Lys Lys Xaa Xaa Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln
20 25 30

Val Ser Lys Lys
35

<210> 2484

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2484

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
1 5 10

<210> 2485

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2485

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
1 5 10 15

<210> 2486

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2486

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys
1 5 10

<210> 2487

<211> 13

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2487
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Val Ser Lys
1 5 10

<210> 2488
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2488
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Ser Lys
1 5 10

<210> 2489
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2489
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Lys
1 5 10

<210> 2490
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2490
Phe Tyr Asp Trp Phe
1 5

<210> 2491
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2491
Phe Tyr Asp Trp Phe Lys Lys
1 5

<210> 2492
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2492
Ala Ala Ala Ala Phe Tyr Asp Trp Phe Ala Ala Ala Ala Lys Lys
1 5 10 15

<210> 2493
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2493
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
20 25 30

<210> 2494
<211> 36
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2494
Cys Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
1 5 10 15

Lys Lys Cys Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln
20 25 30

Val Ser Lys Lys
35

<210> 2495
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2495
Cys Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser
1 5 10 15

Lys Lys

<210> 2496
<211> 32
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2496
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
20 25 30

<210> 2497
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2497
Ala Phe Tyr Asp Trp Phe Ala Lys
1 5

<210> 2498
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2498
Ala Phe Tyr Asp Trp Phe Ala
1 5

<210> 2499
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2499
Ala Phe Tyr Asp Trp Phe
1 5

<210> 2500
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2500
Phe Tyr Asp Trp Asp Ala
1 5

<210> 2501
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2501
Phe Tyr Asp Trp Phe
1 5

<210> 2502
<211> 16
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2502

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2503

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2503

Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys

<210> 2504

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2504

Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Gly Gly Gly

<210> 2505

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2505

Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly
1 5 10

<210> 2506

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2506

Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly

1

5

10

<210> 2507

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2507

Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly Gly Gly Gly

1

5

10

<210> 2508

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2508

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser

1

5

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<210> 2509

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2509

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser

1

5

10

<210> 2510

<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2510
Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly Gly
1 5 10 15

<210> 2511
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2511
Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe
1 5 10 15

Gly Tyr Cys Ser Gly Lys Lys
20

<210> 2512
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2512
Ala Phe Tyr Asp Trp Phe Ala Lys Lys
1 5

<210> 2513
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2513
Ala Phe Tyr Glu Trp Phe Ala Lys Lys
1 5

<210> 2514
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2514
Ala Phe Tyr Gly Trp Phe Ala Lys Lys
1 5

<210> 2515
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2515
Ala Phe Tyr Lys Trp Phe Ala Lys Lys
1 5

<210> 2516
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2516
Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe
1 5 10 15

Tyr Asn Ala Ile Glu Leu Leu Ser
20

<210> 2517
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2517
Ala Phe Tyr Asp Trp Phe Ala Lys Lys Ala Phe Tyr Asp Trp Phe Ala

1

5

10

15

Lys Lys

<210> 2518

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2518

Phe His Glu Asn Ala Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2519

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2519

Phe His Glu Asn Phe Ala Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2520

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2520

Phe His Glu Asn Phe Tyr Ala Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2521

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2521
Phe His Glu Asn Phe Tyr Asp Ala Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2522
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2522
Phe His Glu Asn Phe Thr Asp Trp Ala Val Arg Gln Val Ser Lys Lys
1 5 10 15

<210> 2523
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2523
Phe Gln Ser Leu Leu Glu Glu Leu Val Trp Gly Ala Pro Leu Phe Arg
1 5 10 15

Tyr Gly Thr Gly
20

<210> 2524
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2524
Pro Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly
1 5 10 15

Gln Cys Ser Gly
20

<210> 2525
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2525

Gln Leu Glu Glu Glu Trp Ala Gly Val Gln Cys Glu Val Tyr Gly Arg
1 5 10 15

Glu Cys Pro Ser

20

<210> 2526

<211> 19

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2526

Cys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys

<210> 2527

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2527

Cys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15Ser Lys Lys Cys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
20 25 30

Arg Gln Val Ser Lys Lys

35

<210> 2528

<211> 35

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2528

Ser	Asp	Gly	Phe	Tyr	Asn	Ala	Ile	Glu	Leu	Leu	Ser	Lys	His	Leu	Cys
1															

Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu	Phe	Gly	Tyr	Cys	Ser	
														20	25	30

Gly Lys Lys

35

<210> 2529

<211> 40

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (17)

<223> Dap

<400> 2529

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys	
1																
															10	15

Xaa	Lys	His	Leu	Cys	Val	Leu	Glu	Glu	Leu	Phe	Trp	Gly	Ala	Ser	Leu		
															20	25	30

Phe Gly Tyr Cys Ser Gly Lys Lys

35

40

<210> 2530

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2530

Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val	Ser	Lys	Lys	
1																
															10	15

Gly	Gly	Gly	Phe	His	Glu	Asn	Phe	Tyr	Asp	Trp	Phe	Val	Arg	Gln	Val		
															20	25	30

Ser Lys Lys Gly Gly Gly

35

<210> 2531
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2531
Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
20 25 30

Arg Gln Val Ser Lys Lys
35

<210> 2532
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2532
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
20 25

<210> 2533
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2533
Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val
1 5 10 15

Ala Glu Leu Gly
20

<210> 2534
<211> 19

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2534
Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala
1 5 10 15

Glu Leu Gly

<210> 2535
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2535
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Gly

<210> 2536
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2536
Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu
1 5 10 15

Gly

<210> 2537
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2537

Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10 15

<210> 2538

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2538

Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10 15

<210> 2539

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2539

Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10

<210> 2540

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2540

Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10

<210> 2541

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2541
Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10

<210> 2542
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2542
Asn Phe Tyr Asp Trp Phe Val Ala Glu Leu Gly
1 5 10

<210> 2543
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2543
Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Leu Gly
20

<210> 2544
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2544
Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Leu Gly
20

<210> 2545
<211> 31
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (31)
<223> Dap

<400> 2545
Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly Gly Gly Phe His
1 5 10 15

Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys Xaa
20 25 30

<210> 2546
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2546
Ala Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly Gly Gly Ser Asp
1 5 10 15

Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
20 25

<210> 2547
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2547
Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Leu
20

<210> 2548
<211> 19
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2548

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu

<210> 2549

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2549

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala

<210> 2550

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2550

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val

<210> 2551

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2551

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe

1

5

10

15

Tyr Asn Ala Ile Glu Leu Leu Ser
20

<210> 2552
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2552
Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Leu Gly
20

<210> 2553
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2553
Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Leu Gly
20

<210> 2554
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2554
Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly Ser
1 5 10 15

Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly
20 25 30

<210> 2555

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<221> MOD_RES

<222> (2)

<223> Acy

<220>

<221> MOD_RES

<222> (12)

<223> Tic

<400> 2555

His Xaa Cys Leu Glu Glu Trp Gly Ala Ser Leu Xaa Gln Cys Ser Gly
1 5 10 15

<210> 2556

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2556

Leu Asp Arg Gln Phe Tyr Arg Tyr Phe Gln Asp Leu Leu Val Gly Phe
1 5 10 15

Met

<210> 2557

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2557

Trp Gly Arg Ser Phe Tyr Arg Tyr Phe Glu Thr Leu Leu Ala Gln Gly
1 5 10 15

Ile

<210> 2558
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2558
Pro Leu Cys Phe Leu Gln Glu Leu Phe Gly Gly Ala Ser Leu Gly Gly
1 5 10 15

Tyr Cys Ser Gly
20

<210> 2559
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2559
Trp Leu Glu Gln Glu Arg Ala Trp Ile Trp Cys Glu Ile Gln Gly Ser
1 5 10 15

Gly Cys Arg Ala
20

<210> 2560
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2560
Thr Gly His Arg Leu Gly Leu Asp Glu Gln Phe Tyr Trp Trp Phe Arg
1 5 10 15

Asp Ala Leu Ser Gly
20

<210> 2561
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (2)
<223> Abu

<220>
<221> MOD_RES
<222> (12)
<223> Tic

<400> 2561
His Xaa Cys Leu Glu Glu Trp Gly Ala Ser Leu Xaa Gln Cys Ser Gly
1 5 10 15

<210> 2562
<211> 22
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (1)
<223> Dap

<220>
<221> MOD_RES
<222> (12)
<223> Dap

<400> 2562
Xaa Cys Ala Trp Pro Thr Tyr Trp Asn Cys Gly Xaa Cys Ala Trp Pro
1 5 10 15

Thr Tyr Trp Asn Cys Gly
20

<210> 2563
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES

<222> (3)
<223> Hyp

<400> 2563
Arg Asp Xaa Phe Tyr Asp Trp Phe Asp Asp Ile
1 5 10

<210> 2564
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2564
Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Lys Lys
1 5 10 15

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser
20 25

<210> 2565
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2565
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu
20 25

<210> 2566
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic
peptide

<400> 2566
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu
20 25

<210> 2567

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2567

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15Leu Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln
20 25 30

Val Ser Lys Lys

35

<210> 2568

<211> 36

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2568

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15Leu Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln
20 25 30

Val Ser Lys Lys

35

<210> 2569

<211> 23

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2569

Val Ala Ser Gly His Val Leu His Gly Gln Phe Tyr Arg Trp Phe Val
1 5 10 15Asp Gln Phe Ala Leu Glu Glu
20

<210> 2570

<211> 21

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2570

Val Gly Asp Phe Cys Val Ser His Asp Cys Phe Tyr Gly Trp Phe Leu
1 5 10 15

Arg Glu Ser Met Gln

20

<210> 2571

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2571

Asp Leu Arg Val Leu Cys Glu Leu Phe Gly Gly Ala Tyr Val Leu Gly
1 5 10 15

Tyr Cys Ser Glu

20

<210> 2572

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2572

His Leu Ser Val Gly Glu Glu Leu Ser Trp Trp Val Ala Leu Leu Gly
1 5 10 15

Gln Trp Ala Arg

20

<210> 2573

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2573

Ala Pro Val Ser Thr Glu Glu Leu Arg Trp Gly Ala Leu Leu Phe Gly
1 5 10 15Gln Trp Ala Gly
20

<210> 2574

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2574

Ala Leu Glu Glu Glu Trp Ala Trp Val Gln Val Arg Ser Ile Arg Ser
1 5 10 15Gly Leu Pro Leu
20

<210> 2575

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2575

Trp Leu Glu His Glu Trp Ala Gln Ile Gln Cys Glu Leu Tyr Gly Arg
1 5 10 15Gly Cys Thr Tyr
20

<210> 2576

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2576

Ala Ala Val His Glu Gln Phe Tyr Asp Trp Phe Ala Asp Gln Tyr Glu
1 5 10 15

Glu

<210> 2577

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2577

Gln Ala Pro Ser Asn Phe Tyr Asp Trp Phe Val Arg Glu Trp Asp Glu
1 5 10 15

Glu

<210> 2578

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2578

Gln Ser Phe Tyr Asp Tyr Ile Glu Glu Leu Leu Gly Gly Glu Trp Lys
1 5 10 15

Lys

<210> 2579

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2579

Asp Pro Phe Tyr Gln Gly Leu Trp Glu Trp Leu Arg Glu Ser Gly Glu
1 5 10 15

Glu

<210> 2580

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2580

Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
20 25 30

Arg Gln Val Ser Lys Lys
35

<210> 2581

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2581

Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
20 25 30

Arg Gln Val Ser Lys Lys
35

<210> 2582

<211> 38

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2582

Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
20 25 30

Arg Gln Val Ser Lys Lys
35

<210> 2583
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2583
Gly Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val Arg Gln Val
1 5 10 15

Ser Lys Lys Gly Gly Phe His Glu Asn Phe Tyr Asp Trp Phe Val
20 25 30

Arg Gln Val Ser Lys Lys
35

<210> 2584
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2584
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu

<210> 2585
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2585
Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15

Leu

<210> 2586

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2586

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe
1 5 10 15

Tyr Asn Ala Ile Glu Leu Leu Ser
20

<210> 2587

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2587

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Ser Asp Gly Phe
1 5 10 15

Tyr Asn Ala Ile Glu Leu Leu Ser
20

<210> 2588

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2588

Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe
1 5 10 15

Gly Tyr Cys Ser Gly Lys Lys Lys
20 25

<210> 2589

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2589

Lys His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe
1 5 10 15Gly Tyr Cys Ser Gly Lys Lys Lys Lys
20 25

<210> 2590

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2590

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15Leu Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala
20 25 30

Glu Leu

<210> 2591

<211> 34

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2591

Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala Glu
1 5 10 15Leu Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe Val Ala
20 25 30

Glu Leu

<210> 2592

<211> 12

<212> PRT

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (8)
<223> Acy

<400> 2592
Ser Asp Gly Phe Tyr Asn Ala Xaa Glu Leu Leu Ser
1 5 10

<210> 2593
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (8)
<223> Acy

<220>
<221> MOD_RES
<222> (13)
<223> Aib

<400> 2593
Ser Gly Pro Phe Tyr Glu Glu Xaa Glu Leu Leu Trp Xaa
1 5 10

<210> 2594
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (8)
<223> Acy

<220>
<221> MOD_RES
<222> (10)
<223> Aib

<220>
<221> MOD_RES
<222> (13)
<223> Aib

<400> 2594
Gly Gly Ser Phe Tyr Asp Asp Xaa Glu Xaa Leu Trp Xaa
1 5 10

<210> 2595
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (2)
<223> Aib

<220>
<221> MOD_RES
<222> (8)
<223> Acy

<220>
<221> MOD_RES
<222> (11)
<223> Cha

<220>
<221> MOD_RES
<222> (13)
<223> Aib

<400> 2595
Asn Xaa Pro Phe Tyr Asp Glu Xaa Asp Glu Xaa Trp Xaa
1 5 10

<210> 2596
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<220>
<221> MOD_RES
<222> (20)
<223> Acy

<400> 2596

Gly Arg Val Asp Trp Leu Gln Arg Asn Ala Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Ala Glu Xaa Gly
20

<210> 2597

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2597

Ala Pro Thr Phe Tyr Ala Trp Phe Asn Gln Gln Thr Gly Gly Ser
1 5 10 15

<210> 2598

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2598

Ser Phe Tyr Glu Ala Ile His Gln Leu Leu Gly Val Gly Gly Ser
1 5 10 15

<210> 2599

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2599

Asn Ser Phe Tyr Glu Ala Leu Arg Met Leu Ser Ser Gly Gly Ser
1 5 10 15

<210> 2600

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2600

Ser Leu Asn Phe Tyr Asp Ala Leu Gln Leu Leu Ala Gly Gly Ser
1 5 10 15

<210> 2601

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2601

Ser Ser Asn Phe Tyr Gln Ala Leu Met Leu Leu Ser Gly Gly Ser
1 5 10 15

<210> 2602

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2602

Ser Asp Gly Phe Tyr Asn Ala Ile Glu Leu Leu Ser Gly Gly Ser
1 5 10 15

<210> 2603

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2603

His Glu Thr Phe Tyr Ser Met Ile Arg Ser Leu Ala Gly Gly Ser
1 5 10 15

<210> 2604

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic

peptide

<400> 2604

His Asp Pro Phe Tyr Ser Met Met Lys Ser Leu Leu Gly Gly Ser
1 5 10 15

<210> 2605

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2605

Trp Ser Asp Phe Tyr Ser Tyr Phe Gln Gly Leu Asp Gly Gly Ser
1 5 10 15

<210> 2606

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2606

His Pro Pro Leu Glu His Leu Lys Ala Phe Leu Leu Gly Gly Ser
1 5 10 15

<210> 2607

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2607

His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile Gly Gly Ser
1 5 10 15

<210> 2608

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2608

His Pro Ser Leu Ser Asp Met Arg Trp Ile Leu Leu Gly Gly Gly Ser
1 5 10 15

<210> 2609

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2609

His Ala Pro Leu Ser Val Leu Gln Ala Leu Leu Gly Gly Ser
1 5 10 15

<210> 2610

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2610

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu Gly Gly Ser
1 5 10 15

<210> 2611

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2611

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe Gly Gly Ser
1 5 10 15

<210> 2612

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic
peptide

<400> 2612
Ile Leu Pro Ile
1

<210> 2613
<211> 44
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2613
Ala Gln Pro Ala Met Ala Trp Leu Asp Gln Glu Trp Ala Trp Val Gln
1 5 10 15

Cys Glu Val Tyr Gly Arg Gly Cys Pro Ser Ala Ala Ala Gly Ala Pro
20 25 30

Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
35 40

<210> 2614
<211> 70
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2614
Ala Gln Pro Ala Met Ala Trp Leu Asp Gln Glu Trp Ala Trp Val Gln
1 5 10 15

Cys Glu Val Tyr Gly Arg Gly Cys Pro Ser Gly Gly Ser Gly Ser
20 25 30

Trp Leu Asp Gln Glu Trp Ala Trp Val Gln Cys Glu Val Tyr Gly Arg
35 40 45

Gly Cys Pro Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro
50 55 60

Leu Glu Pro Arg Ala Ala
65 70

<210> 2615
<211> 46
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2615

Ile Ser Glu Phe Gly Ser Ala Asp Tyr Lys Asp Leu Asp Ala Leu Asp
1 5 10 15

Arg Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser Leu Ala Ala Ala Gly
20 25 30

Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
35 40 45

<210> 2616

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2616

Asp Tyr Lys Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
1 5 10 15

Phe Val Arg Gln Val Ser Gly Ser Gly Ser Leu Asp Ala Leu Asp Arg
20 25 30

Leu Met Arg Tyr Phe Glu Glu Arg Pro Ser Leu Ala Ala Ala Gly Ala
35 40 45

Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
50 55 60

<210> 2617

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2617

Asp Tyr Lys Asp Asp Asp Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5 10 15

Val Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp
20 25 30

Pro Leu Glu Pro Arg Ala Ala
35

<210> 2618

<211> 45

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2618

Asp Tyr Lys Asp Asp Asp Asp His Leu Cys Val Leu Glu Glu Leu Phe
1 5 10 15

Trp Gly Ala Ser Leu Phe Gly Tyr Cys Ser Gly Ala Ala Ala Gly Ala
20 25 30

Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
35 40 45

<210> 2619

<211> 66

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2619

Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
1 5 10 15

Phe Val Arg Gln Val Ser Gly Gly Ser Gly Gly Ser His Leu Cys Val
20 25 30

Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly Tyr Cys Ser Gly
35 40 45

Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg
50 55 60

Ala Ala

65

<210> 2620

<211> 69

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2620

Asp Tyr Lys Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp

1

5

10

15

Phe Val Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Ser His
 20 25 30

Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu Phe Gly Tyr
 35 40 45

Cys Ser Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu
 50 55 60

Glu Pro Arg Ala Ala
 65

<210> 2621

<211> 72

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2621

Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
 1 5 10 15

Phe Val Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly
 20 25 30

Gly Ser His Leu Cys Val Leu Glu Glu Leu Phe Trp Gly Ala Ser Leu
 35 40 45

Phe Gly Tyr Cys Ser Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro
 50 55 60

Asp Pro Leu Glu Pro Arg Ala Ala
 65 70

<210> 2622

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2622

Ala Gln Pro Ala Met Ala Arg Gly Gly Thr Phe Tyr Glu Trp Phe
 1 5 10 15

Glu Ser Ala Leu Arg Lys His Gly Ala Gly Ala Ala Gly Ala Pro
 20 25 30

Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 35 40

<210> 2623

<211> 70

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2623

Ala Gln Pro Ala Met Ala Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe
 1 5 10 15

Glu Ser Thr Leu Arg Lys His Gly Ala Gly Gly Ser Gly Gly Ser
 20 25 30

Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys
 35 40 45

His Gly Ala Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro
 50 55 60

Leu Glu Pro Arg Ala Ala
 65 70

<210> 2624

<211> 79

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2624

Ala Gln Pro Ala Met Ala Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe
 1 5 10 15

Glu Ser Ala Leu Arg Lys His Gly Ala Gly Gly Ser Gly Gly Ser
 20 25 30

Gly Gly Ser Gly Gly Ser Arg Gly Gly Gly Thr Phe Tyr Glu Trp Phe
 35 40 45

Glu Ser Ala Leu Arg Lys His Gly Ala Gly Ala Ala Gly Ala Pro
 50 55 60

Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala Leu Thr Asn
 65 70 75

<210> 2625

<211> 84
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2625
Ile Ser Glu Phe Ile Glu Val Arg Ala Gln Pro Ala Met Ala Arg Gly
1 5 10 15
Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys His Gly
20 25 30
Ala Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Ser Arg Gly
35 40 45
Gly Gly Thr Phe Tyr Glu Trp Phe Glu Ser Ala Leu Arg Lys His Gly
50 55 60
Ala Gly Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu
65 70 75 80
Pro Arg Ala Ala

<210> 2626
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2626
Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
1 5 10 15
Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro
20 25 30
Leu Glu Pro Arg Ala Ala
35

<210> 2627
<211> 55
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2627

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val			
1	5	10	15

Arg Gln Val Ser Gly Gly Ser Phe His Glu Asn Phe Tyr Asp Trp Phe			
20	25	30	

Val Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp			
35	40	45	

Pro Leu Glu Pro Arg Ala Ala			
50	55		

<210> 2628

<211> 72

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2628

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val			
1	5	10	15

Arg Gln Val Ser Gly Gly Ser Phe His Glu Asn Phe Tyr Asp Trp Phe			
20	25	30	

Val Arg Gln Val Ser Gly Gly Ser Phe His Glu Asn Phe Tyr Asp Trp			
35	40	45	

Phe Val Arg Gln Val Ser Ala Ala Ala Gly Ala Pro Val Pro Tyr Pro			
50	55	60	

Asp Pro Leu Glu Pro Arg Ala Ala			
65	70		

<210> 2629

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2629

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val			
1	5	10	15

Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Ser Phe His Glu			
20	25	30	

Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Ala Ala Ala Gly Ala			
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35

40

45

Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 50 55 60

<210> 2630

<211> 61

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2630

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Ser Phe His Glu
 20 25 30

Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Ala Ala Ala Gly Ala
 35 40 45

Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala Ala
 50 55 60

<210> 2631

<211> 65

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2631

Ala Gln Pro Ala Met Ala Phe His Glu Asn Phe Tyr Asp Trp Phe Val
 1 5 10 15

Arg Gln Val Ser Gly Gly Ser Gly Gly Ser Gly Ser Gly Ser
 20 25 30

Phe His Glu Asn Asn Phe Tyr Asp Trp Phe Val Arg Gln Val Ser Ala
 35 40 45

Ala Ala Gly Ala Pro Val Pro Tyr Pro Asp Pro Leu Glu Pro Arg Ala
 50 55 60

Ala

65

<210> 2632

<211> 75

<212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2632
 Ile Ser Glu Phe Gly Ser Ser Arg Val Asp Leu Gln Ala Ser Leu Ala
 1 5 10 15

Leu Ala Val Val Leu Gln Arg Arg Asp Trp Glu Asn Pro Gly Val Thr
 20 25 30

Gln Leu Asn Arg Leu Ala Ala His Pro Pro Phe Ala Ser Trp Arg Asn
 35 40 45

Ser Glu Glu Ala Arg Thr Asp Arg Pro Ser Gln Gln Leu Arg Ser Leu
 50 55 60

Asn Gly Glu Trp Gln Leu Gly Cys Phe Gly Gly
 65 70 75

<210> 2633
 <211> 4
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<400> 2633
 Phe His Glu Asn
 1

<210> 2634
 <211> 9
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: synthetic peptide

<220>
 <223> Xaa represents a variable or unknown amino acid

<400> 2634
 Phe His Glu Asn Xaa Xaa Xaa Xaa Xaa
 1 5

<210> 2635
 <211> 9

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2635
Phe His Glu Asn Phe Tyr Asp Trp Phe
1 5

<210> 2636
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2636
Phe Tyr Asp Trp Phe Val
1 5

<210> 2637
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2637
Lys Asp Arg Ala Phe Tyr Asn Gly Leu Arg Asp Leu Val Gly Ala Val
1 5 10 15

Tyr Gly Ala Trp Asp
20

<210> 2638
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2638
Asn Ser Phe Tyr Glu Ala Leu Arg Met Leu Ser Ser
1 5 10

<210> 2639

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2639

Ser Leu Asn Phe Tyr Asp Ala Leu Gln Leu Leu Ala
1 5 10

<210> 2640

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2640

His Glu Thr Phe Tyr Ser Met Ile Arg Ser Leu Ala
1 5 10

<210> 2641

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2641

His Asp Pro Phe Tyr Ser Met Met Lys Ser Leu Leu
1 5 10

<210> 2642

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2642

Asp Leu Arg Val Leu Cys Glu Leu Phe Gly Gly Ala Tyr Val Arg Gly
1 5 10 15

Tyr Cys Ser Glu

20

<210> 2643

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2643

His Pro Pro Leu Ser Glu Leu Lys Leu Phe Leu Ile
1 5 10

<210> 2644

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2644

His Pro Ser Leu Ser Asp Met Arg Trp Ile Leu Leu
1 5 10

<210> 2645

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2645

His Pro Thr Ser Lys Glu Ile Tyr Ala Lys Leu Leu
1 5 10

<210> 2646

<211> 12

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2646

His Pro Ser Thr Asn Gln Met Leu Met Lys Leu Phe
1 5 10

<210> 2647

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2647

His Ala Pro Leu Ser Val Leu Gln Ala Leu Leu

1

5

10

<210> 2648

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<220>

<223> Xaa represents a variable or unknown amino acid

<400> 2648

Leu Leu Xaa Tyr Phe

1

5

<210> 2649

<211> 50

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic peptide

<400> 2649

Asp Tyr Lys Asp Asp Asp Asp Lys Phe His Glu Asn Phe Tyr Asp Trp
1 5 10 15

Phe Val Arg Gln Val Ser Gly Ser Gly Ser Gly Leu Asp Ala Leu Asp
20 25 30

Arg Leu Met Arg Tyr Gly Glu Glu Arg Pro Ser Leu Ala Ala Ala Gly
35 40 45

Ala Pro

50

<210> 2650

<211> 11

<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2650
Trp Ser Asp Phe Tyr Ser Tyr Phe Gln Gly Leu
1 5 10

<210> 2651
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2651
Phe Tyr Ser Leu Leu Ala Ser Leu
1 5

<210> 2652
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2652
Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu Ala Ala Lys
1 5 10 15

Lys

<210> 2653
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: synthetic peptide

<400> 2653
Gln Met Lys Asp Ile Phe Tyr Ser Leu Leu Ala Ser Leu Ala Ala
1 5 10 15